

## **Protecting Puget Sound Watersheds from Agricultural Pollution Using a Progressive Manure Application Risk Management (ARM) System**

Data Set Compiled: 04/31/16

The following pages represent the RAW data from the aforementioned project. Each tab is a different set of data by medium collected.

### **For questions about the project and/or this data set, please contact the Project Manager:**

Nichole M. Embertson, Ph.D.

Project Manager and Lead Scientist

Whatcom Conservation District

6975 Hannegan Rd, Lynden, WA 98264

(360) 526-2381 x 126

### **EXECUTIVE SUMMARY**

Throughout the Puget Sound region of Northwest Washington, impacted and poorly managed agriculture has repeatedly been advanced as a leading contributor to surface and ground water pollution, particularly during the winter months. Improvements in field application methods using the NRCS “4R’s” method of nutrient management (right: rate, timing, source, and placement), are necessary in order to protect important resources from further negative impacts. This study aimed to develop an innovative Application Risk Management (ARM) System that focusing on the timing of manure application and targeted the transport of manure nutrients (N, P) and fecal coliform (FC) via runoff and leaching by promoting science-based, real-time assessment tools linked to measurable outcomes.

This study was conducted over 5 years from 2010-2015 in Whatcom County, WA. The project had three main components; field data collection, tool development, and education outreach. The strength of the project came from the implementation of a vigorous field sampling campaign conducted on six plots in Whatcom County looking at two manure application treatments to forage fields: 1) conventional (CON) manure application based on set dates as dictated by local ordinance and practice (February 15-October 31), and 2) strategic manure application based on a comprehensive Application Risk Management (ARM) system using real-time field and weather information and decision making tools.

To compare the two application treatments, a variety of field measurements were conducted looking at the movement of nutrients such as nitrogen and phosphorous, as well as other important parameters within the system. Sampling of vadose zone

soil water was conducted based on storm events using 12 gravitational lysimeters placed at 12, 24, and 36 inches below the soil surface at random locations within each sample field. Soil samples were taken one to two times monthly at the same depths and locations as lysimeters for comparison and assessed for moisture and nutrients. Groundwater monitoring wells were also installed and sampled at the top of the water table and below to illustrate nutrient losses below the vadose zone and background (This work was conducted by USGS in a concurrent study. See their project report for more detail and results). In addition, surface water was sampled in-stream around storm events; manure nutrient and application rate was sampled at application events; forage was sampled for yield and quality at each cutting; and meteorological (i.e., precipitation, temperature, etc.) and management parameters were collected daily. All samples were analyzed by an accredited laboratory and data statistically analyzed for patterns and significance using the appropriate model in Excel or R (version 3.1.2).

All of the collected data was used to create and proof a real-time, easy to use Application Risk Management (ARM) worksheet that evaluated the risk of manure application to a specific field on a specific day and returned a runoff risk rating for manure application. A real-time Manure Spreading Advisory (MSA) was also created that provides a three day risk rating for runoff based on precipitation, field conditions, and protective measures in place. The MSA is a color coded map that is automatically updated daily using precipitation forecast data from NOAA. Support tools developed include a dedicated website for the ARM tools and nutrient management information ([www.wadairyplan.org](http://www.wadairyplan.org)), dynamic manure application setback distances, and a field level risk mapping process that allows a user to select the lowest risk fields for runoff or leaching to apply to at any time of the year.

Results showed that strategic manure application timing and practices significantly reduced the potential for leaching and runoff events. The use of the Manure Spreading Advisory coupled with the Application Risk Management worksheet helped producers select low risk dates for application and prevented manure applications that would have otherwise occurred at times when large rain events could have caused pollution events. By utilizing the customized ARM manure application strategy that encouraged applications be tailored to soil type and account for current field and weather conditions, a significant reduction in nitrate leaching and runoff potential was realized as compared to “conventional” application practices that do not account for these parameters. Additionally, field trials showed an increase in early season forage production with the ARM strategy, thus adding value to producers through production benefits. Coupled with targeted outreach opportunities, adoption of this ARM program was well received by producers.

## **DATA LEGEND**

The terms below are definitions for headings found in the data sheets.

- **Medium** - Identifies the medium being tested such as forage, manure, soil, soil water, or surface water.

- **Site** - Identifies the site that data was collected from such as A, B, C, or D. The dates each site were enrolled in the study vary. See final report for more details.
- **Date** - Identifies the date the sample was taken.
- **Season** - For comparative analysis, a season was assigned by date. Seasons are: W (Winter) = Dec, Jan, Feb; Sp (Spring) = Mar, Apr, May; S (Summer) = Jun, Jul, Aug; F (Fall) = Sep, Oct, Nov.
- **Trt** - Identifies the treatment (trt) as either "C" or "S" (control or standard/conventional application) or "T" of "A" (treatment or ARM application method).
- **Plot** - Identifies the plot that sample was taken from. The plot is the same as the treatment identified as either "C" or "T".
- **Loc** - Identifies the location (1-6) within the plot.
- **Depth** - Identifies the depth of the sample (12=2 inch, 24 = 24inch, 36=36 inch).

#### **DATA**

The data presented herein have NOT been assessed for outliers. All data should be properly filtered before doing any analysis. Use proper statistical tests based on the project design and data normalization.

#### **DISCLAIMER**

Use of this data for analysis, presentation, or publication without the consent of the Project Manager listed above is not acceptable. Please contact Nichole Embertson before using any part of this data set.

#### **GRANT INFORMATION**

The data presented was part of an EPA Watershed grant conducted from 2010-2015.

## FORAGE DATA

| Medium | Site | Date      | Season | Trt | Plot | Yield<br>(ton/acre) | Height (in) |
|--------|------|-----------|--------|-----|------|---------------------|-------------|
| Forage | B    | 4/27/2012 | SP     | T   | 1    | 1.25                | 17.0        |
| Forage | B    | 4/27/2012 | SP     | T   | 2    | 1.04                | 16.0        |
| Forage | B    | 4/27/2012 | SP     | T   | 3    | 1.46                | 19.0        |
| Forage | B    | 4/27/2012 | SP     | T   | 4    | 2.82                | 24.0        |
| Forage | B    | 4/27/2012 | SP     | T   | 5    | 2.19                | 25.0        |
| Forage | B    | 4/27/2012 | SP     | T   | 6    | 2.09                | 25.0        |
| Forage | B    | 7/13/2012 | S      | T   | 1    | 0.74                | 17.0        |
| Forage | B    | 7/13/2012 | S      | T   | 2    | 0.61                | 16.0        |
| Forage | B    | 7/13/2012 | S      | T   | 3    | 0.86                | 19.0        |
| Forage | B    | 7/13/2012 | S      | T   | 4    | 1.66                | 24.0        |
| Forage | B    | 7/13/2012 | S      | T   | 5    | 1.29                | 25.0        |
| Forage | B    | 7/13/2012 | S      | T   | 6    | 1.23                | 25.0        |
| Forage | B    | 8/20/2012 | S      | T   | 1    | 2.06                | 29.0        |
| Forage | B    | 8/20/2012 | S      | T   | 2    | 1.83                | 28.0        |
| Forage | B    | 8/20/2012 | S      | T   | 3    | 0.91                | 16.0        |
| Forage | B    | 8/20/2012 | S      | T   | 4    | 1.49                | 27.0        |
| Forage | B    | 8/20/2012 | S      | T   | 5    | 1.83                | 28.0        |
| Forage | B    | 8/20/2012 | S      | T   | 6    | 1.03                | 24.0        |
| Forage | B    | 9/26/2012 | S      | T   | 1    | 2.16                | 25.0        |
| Forage | B    | 9/26/2012 | S      | T   | 2    | 1.36                | 17.0        |
| Forage | B    | 9/26/2012 | S      | T   | 3    | 1.59                | 20.0        |
| Forage | B    | 9/26/2012 | S      | T   | 4    | 1.36                | 17.0        |
| Forage | B    | 9/26/2012 | S      | T   | 5    | 1.36                | 20.0        |
| Forage | B    | 9/26/2012 | S      | T   | 6    | 0.68                | 14.0        |
| Forage | B    | 4/23/2013 | SP     | T   | 1    | 1.87                | 24.0        |
| Forage | B    | 4/23/2013 | SP     | T   | 2    | 1.87                | 23.0        |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | B | 4/23/2013 | SP | T | 3 | 1.56 | 24.0 |
| Forage | B | 4/23/2013 | SP | T | 4 | 2.49 | 22.0 |
| Forage | B | 4/23/2013 | SP | T | 5 | 2.34 | 20.0 |
| Forage | B | 4/23/2013 | SP | T | 6 | 2.18 | 24.0 |
| Forage | B | 5/13/2013 | SP | T | 1 | 1.29 | 28.0 |
| Forage | B | 5/13/2013 | SP | T | 2 | 1.18 | 31.0 |
| Forage | B | 5/13/2013 | SP | T | 3 | 1.50 | 33.0 |
| Forage | B | 5/13/2013 | SP | T | 4 | 2.25 | 35.0 |
| Forage | B | 5/13/2013 | SP | T | 5 | 2.90 | 33.0 |
| Forage | B | 5/13/2013 | SP | T | 6 | 1.29 | 28.0 |
| Forage | B | 7/3/2013  | S  | T | 1 | 1.01 | 25.0 |
| Forage | B | 7/3/2013  | S  | T | 2 | 1.13 | 22.0 |
| Forage | B | 7/3/2013  | S  | T | 3 | 2.26 | 30.0 |
| Forage | B | 7/3/2013  | S  | T | 4 | 1.76 | 25.0 |
| Forage | B | 7/3/2013  | S  | T | 5 | 1.13 | 21.0 |
| Forage | B | 7/3/2013  | S  | T | 6 | 1.26 | 20.0 |
| Forage | B | 9/10/2013 | S  | T | 1 | 1.94 | 28.0 |
| Forage | B | 9/10/2013 | S  | T | 2 | 1.14 | 25.0 |
| Forage | B | 9/10/2013 | S  | T | 3 | 1.26 | 26.0 |
| Forage | B | 9/10/2013 | S  | T | 4 | 1.60 | 26.0 |
| Forage | B | 9/10/2013 | S  | T | 5 | 0.91 | 25.0 |
| Forage | B | 9/10/2013 | S  | T | 6 | 1.14 | 28.0 |
| Forage | B | 4/29/2014 | SP | T | 1 | 1.80 | 19.0 |
| Forage | B | 4/29/2014 | SP | T | 2 | 2.16 | 21.0 |
| Forage | B | 4/29/2014 | SP | T | 3 | 5.75 | 28.0 |
| Forage | B | 4/29/2014 | SP | T | 4 | 2.16 | 21.0 |
| Forage | B | 4/29/2014 | SP | T | 5 | 2.52 | 20.0 |
| Forage | B | 4/29/2014 | SP | T | 6 | 2.88 | 27.0 |
| Forage | B | 6/2/2014  | SP | T | 1 | 2.40 | 24.0 |
| Forage | B | 6/2/2014  | SP | T | 2 | 3.20 | 29.0 |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | B | 6/2/2014  | SP | T | 3 | 2.20 | 21.0 |
| Forage | B | 6/2/2014  | SP | T | 4 | 2.80 | 22.0 |
| Forage | B | 6/2/2014  | SP | T | 5 | 2.40 | 21.0 |
| Forage | B | 6/2/2014  | SP | T | 6 | 2.40 | 20.0 |
| Forage | B | 10/6/2014 | F  | T | 1 | 2.02 | 21.0 |
| Forage | B | 10/6/2014 | F  | T | 2 | 2.19 | 23.0 |
| Forage | B | 10/6/2014 | F  | T | 3 | 1.85 | 22.0 |
| Forage | B | 10/6/2014 | F  | T | 4 | 1.68 | 20.0 |
| Forage | B | 10/6/2014 | F  | T | 5 | 2.02 | 23.0 |
| Forage | B | 10/6/2014 | F  | T | 6 | 2.69 | 24.0 |
| Forage | B | 4/27/2012 | SP | C | 1 | 1.28 | 15.5 |
| Forage | B | 4/27/2012 | SP | C | 2 | 1.28 | 16.5 |
| Forage | B | 4/27/2012 | SP | C | 3 | 1.28 | 12.0 |
| Forage | B | 4/27/2012 | SP | C | 4 | 1.19 | 17.0 |
| Forage | B | 4/27/2012 | SP | C | 5 | 0.82 | 16.0 |
| Forage | B | 4/27/2012 | SP | C | 6 | 1.28 | 18.0 |
| Forage | B | 7/13/2012 | S  | C | 1 | 2.91 | 20.0 |
| Forage | B | 7/13/2012 | S  | C | 2 | 1.85 | 22.0 |
| Forage | B | 7/13/2012 | S  | C | 3 | 1.72 | 18.0 |
| Forage | B | 7/13/2012 | S  | C | 4 | 2.38 | 22.0 |
| Forage | B | 7/13/2012 | S  | C | 5 | 2.38 | 24.0 |
| Forage | B | 7/13/2012 | S  | C | 6 | 1.32 | 20.0 |
| Forage | B | 8/20/2012 | S  | C | 1 | 2.00 | 26.0 |
| Forage | B | 8/20/2012 | S  | C | 2 | 1.75 | 29.0 |
| Forage | B | 8/20/2012 | S  | C | 3 | 1.62 | 29.0 |
| Forage | B | 8/20/2012 | S  | C | 4 | 2.00 | 26.0 |
| Forage | B | 8/20/2012 | S  | C | 5 | 1.50 | 26.0 |
| Forage | B | 8/20/2012 | S  | C | 6 | 2.00 | 27.0 |
| Forage | B | 9/26/2012 | S  | C | 1 | 1.28 | 18.0 |
| Forage | B | 9/26/2012 | S  | C | 2 | 0.96 | 17.0 |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | B | 9/26/2012 | S  | C | 3 | 1.06 | 19.0 |
| Forage | B | 9/26/2012 | S  | C | 4 | 1.28 | 18.0 |
| Forage | B | 9/26/2012 | S  | C | 5 | 1.06 | 17.0 |
| Forage | B | 9/26/2012 | S  | C | 6 | 1.28 | 20.0 |
| Forage | B | 4/23/2013 | SP | C | 1 | 1.36 | 21.0 |
| Forage | B | 4/23/2013 | SP | C | 2 | 1.36 | 23.0 |
| Forage | B | 4/23/2013 | SP | C | 3 | 2.11 | 22.0 |
| Forage | B | 4/23/2013 | SP | C | 4 | 1.36 | 22.0 |
| Forage | B | 4/23/2013 | SP | C | 5 | 1.51 | 23.0 |
| Forage | B | 4/23/2013 | SP | C | 6 | 2.11 | 24.0 |
| Forage | B | 5/13/2013 | SP | C | 1 | 1.71 | 30.0 |
| Forage | B | 5/13/2013 | SP | C | 2 | 1.03 | 35.0 |
| Forage | B | 5/13/2013 | SP | C | 3 | 2.17 | 30.0 |
| Forage | B | 5/13/2013 | SP | C | 4 | 1.71 | 35.0 |
| Forage | B | 5/13/2013 | SP | C | 5 | 2.06 | 34.0 |
| Forage | B | 5/13/2013 | SP | C | 6 | 2.29 | 36.0 |
| Forage | B | 7/3/2013  | S  | C | 1 | 1.31 | 22.0 |
| Forage | B | 7/3/2013  | S  | C | 2 | 1.18 | 22.0 |
| Forage | B | 7/3/2013  | S  | C | 3 | 2.09 | 26.0 |
| Forage | B | 7/3/2013  | S  | C | 4 | 1.31 | 20.0 |
| Forage | B | 7/3/2013  | S  | C | 5 | 2.09 | 29.0 |
| Forage | B | 7/3/2013  | S  | C | 6 | 1.31 | 24.0 |
| Forage | B | 9/10/2013 | S  | C | 1 | 1.56 | 30.0 |
| Forage | B | 9/10/2013 | S  | C | 2 | 1.79 | 32.0 |
| Forage | B | 9/10/2013 | S  | C | 3 | 1.56 | 29.0 |
| Forage | B | 9/10/2013 | S  | C | 4 | 0.89 | 22.0 |
| Forage | B | 9/10/2013 | S  | C | 5 | 1.23 | 20.0 |
| Forage | B | 9/10/2013 | S  | C | 6 | 1.90 | 24.0 |
| Forage | B | 4/29/2014 | SP | C | 1 | 1.51 | 21.0 |
| Forage | B | 4/29/2014 | SP | C | 2 | 2.26 | 23.0 |

|               |             |             |               |            |             |          |          |
|---------------|-------------|-------------|---------------|------------|-------------|----------|----------|
| Forage        | B           | 4/29/2014   | SP            | C          | 3           | 1.81     | 20.0     |
| Forage        | B           | 4/29/2014   | SP            | C          | 4           | 1.51     | 21.0     |
| Forage        | B           | 4/29/2014   | SP            | C          | 5           | 2.11     | 20.0     |
| Forage        | B           | 4/29/2014   | SP            | C          | 6           | 1.96     | 24.0     |
| Forage        | B           | 6/2/2014    | SP            | C          | 1           | 1.70     | 18.0     |
| Forage        | B           | 6/2/2014    | SP            | C          | 2           | 2.26     | 22.0     |
| Forage        | B           | 6/2/2014    | SP            | C          | 3           | 1.98     | 20.0     |
| Forage        | B           | 6/2/2014    | SP            | C          | 4           | 1.98     | 24.0     |
| Forage        | B           | 6/2/2014    | SP            | C          | 5           | 2.12     | 21.0     |
| Forage        | B           | 6/2/2014    | SP            | C          | 6           | 1.41     | 18.0     |
| Forage        | B           | 10/6/2014   | F             | C          | 1           | 1.93     | 19.0     |
| Forage        | B           | 10/6/2014   | F             | C          | 2           | 2.70     | 24.0     |
| Forage        | B           | 10/6/2014   | F             | C          | 3           | 1.54     | 19.0     |
| Forage        | B           | 10/6/2014   | F             | C          | 4           | 1.16     | 16.0     |
| Forage        | B           | 10/6/2014   | F             | C          | 5           | 1.54     | 14.0     |
| Forage        | B           | 10/6/2014   | F             | C          | 6           | 1.54     | 17.0     |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Trt</b> | <b>Site</b> | <b>H</b> | <b>Y</b> |
| Forage        | C           | 4/23/2013   | SP            | T          | 2           | 28.0     | 1.77     |
| Forage        | C           | 4/23/2013   | SP            | C          | 2           | 30.0     | 1.94     |
| Forage        | C           | 4/23/2013   | SP            | T          | 3           | 31.0     | 2.55     |
| Forage        | C           | 4/23/2013   | SP            | C          | 3           | 30.0     | 1.04     |
| Forage        | C           | 4/23/2013   | SP            | T          | 4           | 28.0     | 1.55     |
| Forage        | C           | 4/23/2013   | SP            | C          | 4           | 31.0     | 1.19     |
| Forage        | C           | 4/23/2013   | SP            | T          | 5           | 28.0     | 1.66     |
| Forage        | C           | 4/23/2013   | SP            | C          | 5           | 30.0     | 2.49     |
| Forage        | C           | 4/23/2013   | SP            | T          | 6           | 33.0     | 1.55     |
| Forage        | C           | 4/23/2013   | SP            | C          | 6           | 30.0     | 1.81     |
| Forage        | C           | 5/31/2013   | SP            | T          | 1           | 28.0     | 2.28     |
| Forage        | C           | 5/31/2013   | SP            | C          | 1           | 32.0     | 2.12     |
| Forage        | C           | 5/31/2013   | SP            | T          | 2           | 32.0     | 2.56     |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | C | 5/31/2013 | SP | C | 2 | 29.0 | 1.41 |
| Forage | C | 5/31/2013 | SP | T | 3 | 26.0 | 1.71 |
| Forage | C | 5/31/2013 | SP | C | 3 | 38.0 | 2.24 |
| Forage | C | 5/31/2013 | SP | T | 4 | 29.0 | 1.85 |
| Forage | C | 5/31/2013 | SP | C | 4 | 33.0 | 1.88 |
| Forage | C | 5/31/2013 | SP | T | 5 | 31.0 | 1.71 |
| Forage | C | 5/31/2013 | SP | C | 5 | 39.0 | 1.88 |
| Forage | C | 5/31/2013 | SP | T | 6 | 32.0 | 2.42 |
| Forage | C | 5/31/2013 | SP | C | 6 | 32.0 | 1.65 |
| Forage | C | 7/3/2013  | S  | T | 1 | 18.0 | 0.65 |
| Forage | C | 7/3/2013  | S  | C | 1 | 25.0 | 0.89 |
| Forage | C | 7/3/2013  | S  | T | 2 | 20.0 | 0.65 |
| Forage | C | 7/3/2013  | S  | C | 2 | 19.0 | 0.76 |
| Forage | C | 7/3/2013  | S  | T | 3 | 19.0 | 0.90 |
| Forage | C | 7/3/2013  | S  | C | 3 | 16.0 | 0.51 |
| Forage | C | 7/3/2013  | S  | T | 4 | 25.0 | 1.16 |
| Forage | C | 7/3/2013  | S  | C | 4 | 18.0 | 0.63 |
| Forage | C | 7/3/2013  | S  | T | 5 | 21.0 | 1.03 |
| Forage | C | 7/3/2013  | S  | C | 5 | 22.0 | 1.27 |
| Forage | C | 7/3/2013  | S  | T | 6 | 21.0 | 1.03 |
| Forage | C | 7/3/2013  | S  | C | 6 | 21.0 | 1.90 |
| Forage | C | 8/9/2013  | S  | T | 1 | 18.0 | 0.29 |
| Forage | C | 8/9/2013  | S  | C | 1 | 21.0 | 0.86 |
| Forage | C | 8/9/2013  | S  | T | 2 | 23.0 | 1.47 |
| Forage | C | 8/9/2013  | S  | C | 2 | 22.0 | 1.03 |
| Forage | C | 8/9/2013  | S  | T | 3 | 27.0 | 0.59 |
| Forage | C | 8/9/2013  | S  | C | 3 | 20.0 | 0.86 |
| Forage | C | 8/9/2013  | S  | T | 4 | 23.0 | 0.73 |
| Forage | C | 8/9/2013  | S  | C | 4 | 29.0 | 1.38 |
| Forage | C | 8/9/2013  | S  | T | 5 | 27.0 | 0.88 |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | C | 8/9/2013  | S  | C | 5 | 20.0 | 0.69 |
| Forage | C | 8/9/2013  | S  | T | 6 | 23.0 | 0.88 |
| Forage | C | 8/9/2013  | S  | C | 6 | 23.0 | 1.03 |
| Forage | C | 9/17/2013 | S  | T | 1 | 23.0 | 1.27 |
| Forage | C | 9/17/2013 | S  | C | 1 | 21.0 | 1.14 |
| Forage | C | 9/17/2013 | S  | T | 2 | 24.0 | 1.27 |
| Forage | C | 9/17/2013 | S  | C | 2 | 22.0 | 1.43 |
| Forage | C | 9/17/2013 | S  | T | 3 | 24.0 | 1.16 |
| Forage | C | 9/17/2013 | S  | C | 3 | 15.0 | 0.80 |
| Forage | C | 9/17/2013 | S  | T | 4 | 23.0 | 1.37 |
| Forage | C | 9/17/2013 | S  | C | 4 | 21.0 | 1.83 |
| Forage | C | 9/17/2013 | S  | T | 5 | 21.0 | 1.48 |
| Forage | C | 9/17/2013 | S  | C | 5 | 27.0 | 1.94 |
| Forage | C | 9/17/2013 | S  | T | 6 | 21.0 | 1.48 |
| Forage | C | 9/17/2013 | S  | C | 6 | 23.0 | 1.37 |
| Forage | C | 4/30/2014 | SP | T | 1 | 28.0 | 2.70 |
| Forage | C | 4/30/2014 | SP | C | 1 | 26.0 | 1.71 |
| Forage | C | 4/30/2014 | SP | T | 2 | 27.0 | 2.70 |
| Forage | C | 4/30/2014 | SP | C | 2 | 24.0 | 2.11 |
| Forage | C | 4/30/2014 | SP | T | 3 | 29.0 | 2.70 |
| Forage | C | 4/30/2014 | SP | C | 3 | 26.0 | 1.58 |
| Forage | C | 4/30/2014 | SP | T | 4 | 27.0 | 2.55 |
| Forage | C | 4/30/2014 | SP | C | 4 | 26.0 | 1.84 |
| Forage | C | 4/30/2014 | SP | T | 5 | 30.0 | 2.70 |
| Forage | C | 4/30/2014 | SP | C | 5 | 27.0 | 1.98 |
| Forage | C | 4/30/2014 | SP | T | 6 | 27.0 | 3.14 |
| Forage | C | 4/30/2014 | SP | C | 6 | 26.0 | 2.37 |
| Forage | C | 6/2/2014  | SP | T | 1 | 18.0 | 1.23 |
| Forage | C | 6/2/2014  | SP | C | 1 | 19.0 | 1.17 |
| Forage | C | 6/2/2014  | SP | T | 2 | 17.0 | 1.85 |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | C | 6/2/2014  | SP | C | 2 | 21.0 | 2.05 |
| Forage | C | 6/2/2014  | SP | T | 3 | 22.0 | 3.09 |
| Forage | C | 6/2/2014  | SP | C | 3 | 26.0 | 1.61 |
| Forage | C | 6/2/2014  | SP | T | 4 | 14.0 | 1.85 |
| Forage | C | 6/2/2014  | SP | C | 4 | 22.0 | 2.49 |
| Forage | C | 6/2/2014  | SP | T | 5 | 18.0 | 1.85 |
| Forage | C | 6/2/2014  | SP | C | 5 | 21.0 | 1.76 |
| Forage | C | 6/2/2014  | SP | T | 6 | 21.0 | 2.01 |
| Forage | C | 6/2/2014  | SP | C | 6 | 21.0 | 1.76 |
| Forage | C | 6/24/2014 | SP | T | 1 | 21.0 | 1.54 |
| Forage | C | 6/24/2014 | SP | C | 1 | 20.0 | 1.70 |
| Forage | C | 6/24/2014 | SP | T | 2 | 20.0 | 2.00 |
| Forage | C | 6/24/2014 | SP | C | 2 | 23.0 | 2.21 |
| Forage | C | 6/24/2014 | SP | T | 3 | 20.0 | 1.85 |
| Forage | C | 6/24/2014 | SP | C | 3 | 19.0 | 1.36 |
| Forage | C | 6/24/2014 | SP | C | 4 |      |      |
| Forage | C | 6/24/2014 | SP | T | 5 | 20.0 | 1.85 |
| Forage | C | 6/24/2014 | SP | C | 5 | 22.0 | 2.04 |
| Forage | C | 6/24/2014 | SP | T | 6 | 18.0 | 1.23 |
| Forage | C | 6/24/2014 | SP | C | 6 | 22.0 | 1.53 |
| Forage | C | 7/28/2014 | S  | T | 1 | 23.0 | 1.55 |
| Forage | C | 7/28/2014 | S  | C | 1 | 25.0 | 2.63 |
| Forage | C | 7/28/2014 | S  | T | 2 | 23.0 | 1.72 |
| Forage | C | 7/28/2014 | S  | C | 2 | 23.0 | 2.07 |
| Forage | C | 7/28/2014 | S  | T | 3 | 24.0 | 2.06 |
| Forage | C | 7/28/2014 | S  | C | 3 | 24.0 | 2.26 |
| Forage | C | 7/28/2014 | S  | T | 4 | 23.0 | 1.55 |
| Forage | C | 7/28/2014 | S  | C | 4 | 24.0 | 2.45 |
| Forage | C | 7/28/2014 | S  | T | 5 | 24.0 | 2.23 |
| Forage | C | 7/28/2014 | S  | C | 5 | 21.0 | 1.51 |

|               |             |             |               |            |             |          |          |
|---------------|-------------|-------------|---------------|------------|-------------|----------|----------|
| Forage        | C           | 7/28/2014   | S             | T          | 6           | 24.0     | 2.06     |
| Forage        | C           | 7/28/2014   | S             | C          | 6           | 25.0     | 2.63     |
| Forage        | C           | 10/6/2014   | F             | T          | 1           | 21.0     | 1.75     |
| Forage        | C           | 10/6/2014   | F             | C          | 1           | 18.0     | 1.08     |
| Forage        | C           | 10/6/2014   | F             | T          | 2           | 21.0     | 1.87     |
| Forage        | C           | 10/6/2014   | F             | C          | 2           | 19.0     | 1.08     |
| Forage        | C           | 10/6/2014   | F             | T          | 3           | 19.0     | 1.50     |
| Forage        | C           | 10/6/2014   | F             | C          | 3           | 18.0     | 1.32     |
| Forage        | C           | 10/6/2014   | F             | T          | 4           | 17.0     | 1.00     |
| Forage        | C           | 10/6/2014   | F             | C          | 4           | 18.0     | 1.20     |
| Forage        | C           | 10/6/2014   | F             | T          | 5           | 16.0     | 1.00     |
| Forage        | C           | 10/6/2014   | F             | C          | 5           | 21.0     | 2.15     |
| Forage        | C           | 10/6/2014   | F             | T          | 6           | 20.0     | 1.75     |
| Forage        | C           | 10/6/2014   | F             | C          | 6           | 21.0     | 1.67     |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Trt</b> | <b>Plot</b> | <b>Y</b> | <b>H</b> |
| Forage        | D           | 4/30/2014   | SP            | C          | 1           | 2.18     | 23.0     |
| Forage        | D           | 4/30/2014   | SP            | C          | 2           | 2.00     | 25.0     |
| Forage        | D           | 4/30/2014   | SP            | C          | 3           | 2.36     | 26.0     |
| Forage        | D           | 4/30/2014   | SP            | C          | 4           | 2.00     | 22.0     |
| Forage        | D           | 4/30/2014   | SP            | C          | 5           | 1.45     | 17.0     |
| Forage        | D           | 4/30/2014   | SP            | C          | 6           | 1.27     | 16.0     |
| Forage        | D           | 4/30/2014   | SP            | T          | 1           | 1.51     | 23.0     |
| Forage        | D           | 4/30/2014   | SP            | T          | 2           | 1.82     | 23.0     |
| Forage        | D           | 4/30/2014   | SP            | T          | 3           | 1.67     | 24.0     |
| Forage        | D           | 4/30/2014   | SP            | T          | 4           | 1.51     | 21.0     |
| Forage        | D           | 4/30/2014   | SP            | T          | 5           | 2.12     | 28.0     |
| Forage        | D           | 4/30/2014   | SP            | T          | 6           | 0.91     | 23.0     |
| Forage        | D           | 6/2/2014    | SP            | C          | 1           | 2.11     | 20.0     |
| Forage        | D           | 6/2/2014    | SP            | C          | 2           | 2.57     | 23.0     |
| Forage        | D           | 6/2/2014    | SP            | C          | 3           | 3.02     | 26.0     |

|        |   |           |    |   |   |      |      |
|--------|---|-----------|----|---|---|------|------|
| Forage | D | 6/2/2014  | SP | C | 4 | 1.81 | 23.0 |
| Forage | D | 6/2/2014  | SP | C | 5 | 1.51 | 18.0 |
| Forage | D | 6/2/2014  | SP | C | 6 | 2.42 | 23.0 |
| Forage | D | 6/2/2014  | SP | T | 1 | 1.98 | 22.0 |
| Forage | D | 6/2/2014  | SP | T | 2 | 1.65 | 19.0 |
| Forage | D | 6/2/2014  | SP | T | 3 | 3.30 | 24.0 |
| Forage | D | 6/2/2014  | SP | T | 4 | 1.65 | 17.0 |
| Forage | D | 6/2/2014  | SP | T | 5 | 1.65 | 17.0 |
| Forage | D | 6/2/2014  | SP | T | 6 | 2.14 | 19.0 |
| Forage | D | 7/10/2014 | S  | C | 1 | 2.57 | 24.0 |
| Forage | D | 7/10/2014 | S  | C | 2 | 1.47 | 21.0 |
| Forage | D | 7/10/2014 | S  | C | 3 | 2.20 | 23.0 |
| Forage | D | 7/10/2014 | S  | C | 4 | 2.02 | 23.0 |
| Forage | D | 7/10/2014 | S  | C | 5 | 1.83 | 23.0 |
| Forage | D | 7/10/2014 | S  | C | 6 | 2.02 | 22.0 |
| Forage | D | 7/10/2014 | S  | T | 1 | 2.25 | 23.0 |
| Forage | D | 7/10/2014 | S  | T | 2 | 2.25 | 22.0 |
| Forage | D | 7/10/2014 | S  | T | 3 | 1.69 | 23.0 |
| Forage | D | 7/10/2014 | S  | T | 4 | 2.44 | 23.0 |
| Forage | D | 7/10/2014 | S  | T | 5 | 2.25 | 24.0 |
| Forage | D | 7/10/2014 | S  | T | 6 | 2.25 | 24.0 |
| Forage | D | 10/6/2014 | F  | C | 1 | 1.40 | 19.0 |
| Forage | D | 10/6/2014 | F  | C | 2 | 2.67 | 24.0 |
| Forage | D | 10/6/2014 | F  | C | 3 | 2.25 | 22.0 |
| Forage | D | 10/6/2014 | F  | C | 4 | 1.69 | 22.0 |
| Forage | D | 10/6/2014 | F  | C | 5 | 2.11 | 23.0 |
| Forage | D | 10/6/2014 | F  | C | 6 | 1.69 | 23.0 |
| Forage | D | 10/6/2014 | F  | T | 1 | 1.37 | 20.0 |
| Forage | D | 10/6/2014 | F  | T | 2 | 1.10 | 17.0 |
| Forage | D | 10/6/2014 | F  | T | 3 | 1.51 | 21.0 |

|        |   |           |   |   |   |      |      |
|--------|---|-----------|---|---|---|------|------|
| Forage | D | 10/6/2014 | F | T | 4 | 1.51 | 20.0 |
| Forage | D | 10/6/2014 | F | T | 5 | 1.64 | 22.0 |
| Forage | D | 10/6/2014 | F | T | 6 | 1.78 | 23.0 |
| Forage | D | 4/27/2015 | F | C | 1 | 1.28 | 20.0 |
| Forage | D | 4/27/2015 | F | C | 2 | 1.76 | 24.0 |
| Forage | D | 4/27/2015 | F | C | 3 | 1.60 | 21.0 |
| Forage | D | 4/27/2015 | F | C | 4 | 1.12 | 18.0 |
| Forage | D | 4/27/2015 | F | C | 5 | 1.28 | 19.0 |
| Forage | D | 4/27/2015 | F | C | 6 | 0.96 | 17.0 |
| Forage | D | 4/27/2015 | F | T | 1 | 3.72 | 24.0 |
| Forage | D | 4/27/2015 | F | T | 2 | 3.72 | 27.0 |
| Forage | D | 4/27/2015 | F | T | 3 | 3.53 | 24.0 |
| Forage | D | 4/27/2015 | F | T | 4 | 2.23 | 23.0 |
| Forage | D | 4/27/2015 | F | T | 5 | 4.46 | 24.0 |
| Forage | D | 4/27/2015 | F | T | 6 | 3.35 | 23.0 |

## MANURE DATA

| Medium | Site | Date       | Season | Type | Source | Rep | TN % | NH3 ppm | K ppm | TP ppm | NO3 ppm | TN lb/gal | NH3 lb/gal | TP lb/gal | P2O5 lb/gal | K lb/gal | K2O lb/gal | DM % | pH   | EC mmhos/cm | OM % | C/N Ratio |
|--------|------|------------|--------|------|--------|-----|------|---------|-------|--------|---------|-----------|------------|-----------|-------------|----------|------------|------|------|-------------|------|-----------|
| Manure | B    | 10/23/2013 | F      | F    | 1      | 1   | 0.07 | 514     |       | 87.0   | 1.67    | 5.84      | 4.29       | 0.73      | 1.65        |          |            | 0.80 | 7.96 | 6.78        | 0.73 | 5:1       |
| Manure | B    | 1/15/2014  | W      | L    | 1      | 1   | 0.31 | 726     | 326.0 | 326.0  | 0.68    | 25.85     | 6.05       | 2.71      | 6.17        | 5.33     | 6.40       | 2.96 | 7.50 | 8.46        | 2.64 | 4:1       |
| Manure | B    | 1/15/2014  | W      | L    | 1      | 2   | 0.15 | 709     | 624.5 | 242.0  | 0.70    | 12.51     | 5.91       | 2.03      | 4.60        | 5.21     | 6.25       | 2.41 | 7.50 | 8.61        | 2.22 | 8:1       |
| Manure | B    | 1/15/2014  | W      | L    | 1      | 3   | 0.13 | 682     | 610.2 | 172.7  | 1.00    | 10.84     | 5.69       | 1.44      | 3.27        | 5.09     | 6.11       | 2.15 | 7.56 | 8.71        | 0.71 | 7:1       |
| Manure | B    | 1/15/2014  | W      | L    | 2      | 1   | 0.05 | 426     | 538.8 | 40.6   | 1.15    | 4.50      | 3.55       | 0.34      | 0.77        | 4.49     | 5.39       | 0.56 | 7.84 | 7.51        | 0.71 | 5:1       |
| Manure | B    | 1/16/2014  | W      | L    | 1      | 1   | 0.20 | 760     | 732.9 | 410.5  | 0.87    | 16.68     | 6.34       | 3.42      | 7.71        | 6.11     | 7.33       | 3.06 | 7.58 | 8.08        | 0.72 | 7:1       |
| Manure | B    | 1/16/2014  | W      | F    | 1      | 2   | 0.16 | 720     | 588.5 | 257.4  | 0.65    | 13.34     | 6.00       | 2.15      | 4.87        | 4.91     | 5.89       | 2.42 | 7.79 | 8.58        | 0.61 | 6:1       |
| Manure | B    | 1/16/2014  | W      | F    | 1      | 1   | 0.15 | 707     | 462.9 | 263.5  | 1.07    | 12.51     | 5.90       | 2.20      | 4.99        | 3.86     | 4.63       | 2.32 | 7.86 | 7.99        | 0.67 | 7:1       |
| Manure | B    | 1/23/2014  | W      | F    | 1      | 1   | 0.14 | 556     | 599.1 | 337.1  | 0.74    | 11.68     | 4.64       | 2.81      | 6.38        | 5.00     | 6.00       | 3.11 | 7.70 | 8.56        | 0.68 | 11:1      |
| Manure | B    | 1/23/2014  | W      | L    | 1      | 1   | 0.14 | 506     | 659.7 | 421.1  | 0.46    | 11.68     | 4.22       | 3.51      | 7.97        | 5.50     | 6.60       | 3.30 | 7.57 | 8.28        | 1.25 | 9:1       |
| Manure | B    | 3/10/2014  | W      | L    | 1      | 1   | 0.13 | 584     | 371.5 | 58.1   | 0.10    | 10.55     | 4.87       | 0.48      | 1.10        | 3.10     | 3.72       | 0.75 | 7.25 | 9.00        | 1.32 | 3:1       |
| Manure | B    | 3/31/2014  | W      | L    | 1      | 1   | 0.18 | 454     | 687.3 | 435.6  | 0.90    | 15.24     | 3.79       | 3.63      | 8.25        | 5.73     | 6.88       | 3.18 | 7.27 | 9.12        | 2.53 | 7:1       |
| Manure | B    | 3/31/2014  | W      | L    | 1      | 2   | 0.12 | 538     | 824.3 | 114.1  | 0.92    | 10.24     | 4.49       | 0.95      | 2.16        | 6.87     | 8.25       | 1.07 | 7.37 | 9.90        | 2.61 | 4:1       |
| Manure | B    | 4/1/2014   | SP     | F    | 1      | 1   | 0.15 | 547     | 751.5 | 299.9  | 1.04    | 12.40     | 5.56       | 2.50      | 5.68        | 6.27     | 7.52       | 2.52 | 7.38 | 9.56        | 2.62 | 8:1       |
| Manure | B    | 4/1/2014   | SP     | F    | 1      | 2   | 0.15 | 413     | 703.2 | 299.9  | 0.81    | 12.28     | 3.44       | 2.50      | 5.68        | 5.86     | 7.04       | 2.51 | 7.41 | 9.52        | 1.26 | 7:1       |
| Manure | B    | 4/1/2014   | SP     | L    | 1      | 1   | 0.13 | 544     | 803.2 | 240.6  | 0.89    | 10.99     | 4.54       | 2.01      | 4.55        | 6.70     | 8.04       | 1.97 | 7.28 | 9.95        | 1.33 | 7:1       |

|            |   |               |    |   |   |   |          |     |            |           |      |           |      |      |      |      |       |      |      |       |      |     |
|------------|---|---------------|----|---|---|---|----------|-----|------------|-----------|------|-----------|------|------|------|------|-------|------|------|-------|------|-----|
| Man<br>ure | B | 4/1/2<br>014  | SP | L | 1 | 2 | 0.1<br>5 | 502 | 762<br>.0  | 281.<br>7 | 1.15 | 12.2<br>9 | 4.19 | 2.35 | 5.33 | 6.36 | 7.63  | 2.34 | 7.24 | 9.97  | 0.73 | 7:1 |
| Man<br>ure | B | 4/3/2<br>014  | SP | F | 2 | 1 | 0.1<br>9 | 451 | 111<br>4.0 | 349.<br>7 | 2.38 | 15.8<br>5 | 3.76 | 2.92 | 6.62 | 9.29 | 11.15 | 2.48 | 7.49 | 9.92  | 0.82 | 6:1 |
| Man<br>ure | B | 4/3/2<br>014  | SP | F | 2 | 2 | 0.2<br>0 | 700 | 116<br>1.0 | 429.<br>6 | 0.75 | 16.6<br>8 | 5.84 | 3.58 | 8.13 | 9.68 | 11.62 | 3.38 | 7.42 | 9.61  | 0.72 | 8:1 |
| Man<br>ure | B | 4/3/2<br>014  | SP | L | 1 | 1 | 0.1<br>7 | 580 | 112<br>9.0 | 317.<br>0 | 0.69 | 14.1<br>8 | 4.84 | 2.64 | 6.00 | 9.42 | 11.30 | 2.82 | 7.35 | 10.09 |      | 7:1 |
| Man<br>ure | B | 4/3/2<br>014  | SP | L | 1 | 2 | 0.1<br>9 | 508 | 890<br>.6  | 385.<br>6 | 0.37 | 15.8<br>5 | 4.24 | 3.22 | 7.30 | 7.43 | 8.91  | 4.22 | 7.35 | 9.64  |      | 7:1 |
| Man<br>ure | B | 4/25/<br>2014 | SP | L | 1 | 1 | 0.0<br>9 | 485 | 618<br>.5  | 40.8      | 0.75 | 7.14      | 4.05 | 0.34 | 0.77 | 5.16 | 6.19  | 0.76 | 7.65 | 9.44  |      | 4:1 |
| Man<br>ure | B | 4/25/<br>2014 | SP | L | 1 | 2 | 0.0<br>8 | 628 | 601<br>.4  | 60.5      | 0.65 | 6.84      | 5.24 | 0.50 | 1.14 | 5.02 | 6.02  | 0.68 | 7.58 | 10.00 |      | 4:1 |
| Man<br>ure | B | 4/25/<br>2014 | SP | L | 1 | 3 | 0.0<br>9 | 475 | 589<br>.8  | 44.0      | 1.05 | 7.68      | 6.96 | 0.37 | 0.83 | 4.92 | 5.90  | 0.68 | 7.60 | 9.97  |      | 3:1 |
| Man<br>ure | B | 4/25/<br>2014 | SP | L | 1 | 4 | 0.0<br>9 | 531 | 408<br>.8  | 67.3      | 0.91 | 7.17      | 4.43 | 0.56 | 1.27 | 3.41 | 4.09  | 0.79 | 7.60 | 10.15 |      | 4:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | L | 1 | 1 | 0.1<br>5 | 498 | 533<br>.9  | 82.9      | 0.99 | 12.5<br>1 | 4.15 | 0.69 | 1.57 | 4.45 | 5.34  | 0.81 | 7.52 | 9.96  |      | 2:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | L | 1 | 2 | 0.1<br>5 | 541 | 604<br>.9  | 69.4      | 1.04 | 12.5<br>1 | 4.51 | 0.58 | 1.31 | 5.04 | 6.05  | 0.98 | 7.55 | 10.06 |      | 2:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | L | 1 | 3 | 0.1<br>9 | 614 | 515<br>.2  | 235.<br>8 | 3.77 | 15.8<br>5 | 5.12 | 1.97 | 4.46 | 4.30 | 5.16  | 2.24 | 7.53 | 9.40  |      | 6:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | L | 1 | 4 | 0.1<br>8 | 442 | 553<br>.3  | 253.<br>6 | 0.98 | 15.0<br>1 | 3.69 | 2.12 | 4.80 | 4.61 | 5.54  | 2.24 | 7.51 | 9.47  |      | 6:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | L | 2 | 1 | 0.0<br>9 | 528 | 531<br>.4  | 34.9      | 0.68 | 7.51      | 4.40 | 0.29 | 0.66 | 4.43 | 5.32  | 0.48 | 7.92 | 7.93  |      | 2:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | F | 1 | 1 | 0.1<br>9 | 727 | 565<br>.4  | 248.<br>8 | 1.71 | 15.8<br>5 | 6.06 | 2.07 | 4.71 | 4.72 | 5.66  | 2.24 | 7.63 | 9.48  |      | 6:1 |
| Man<br>ure | B | 5/7/2<br>014  | SP | F | 1 | 2 | 0.1<br>9 | 687 | 268<br>.5  | 112.<br>1 | 1.94 | 15.8<br>4 | 5.73 | 0.93 | 2.12 | 2.24 | 2.69  | 2.07 | 7.61 | 9.46  |      | 6:1 |
| Man<br>ure | B | 6/9/2<br>014  | S  | F | 1 | 1 | 0.0<br>7 | 354 | 660<br>.6  | 68.1      | 0.41 | 5.84      | 2.95 | 0.57 | 1.29 | 5.51 | 6.61  | 1.15 | 7.89 | 7.70  |      | 4:1 |
| Man<br>ure | B | 6/9/2<br>014  | S  | F | 1 | 2 | 0.1<br>0 | 309 | 717<br>.3  | 195.<br>6 | 1.24 | 8.34      | 2.58 | 1.63 | 3.70 | 5.98 | 7.18  | 1.40 | 7.83 | 7.55  |      | 5:1 |
| Man        | B | 6/9/2         | S  | L | 1 | 1 | 0.1      | 481 | 619        | 151.      | 1.14 | 9.17      | 4.01 | 1.26 | 2.86 | 5.17 | 6.20  | 1.25 | 7.56 | 8.27  |      | 5:1 |

|            |   |                |   |   |   |   |          |      |            |            |      |           |      |      |       |           |       |      |      |       |  |  |     |
|------------|---|----------------|---|---|---|---|----------|------|------------|------------|------|-----------|------|------|-------|-----------|-------|------|------|-------|--|--|-----|
| ure        |   | 014            |   |   |   |   | 1        |      | .7         | 3          |      |           |      |      |       |           |       |      |      |       |  |  |     |
| Man<br>ure | B | 6/9/2<br>014   | S | L | 2 | 1 | 0.1<br>3 | 435  | 663<br>.7  | 267.<br>5  | 1.04 | 19.1<br>8 | 3.63 | 2.23 | 5.06  | 5.54      | 6.64  | 1.96 | 7.77 | 7.31  |  |  | 6:1 |
| Man<br>ure | B | 6/23/<br>2014  | S | L | 1 | 1 | 0.1<br>2 | 603  |            |            |      | 10.0<br>1 | 5.03 |      |       |           |       |      |      |       |  |  |     |
| Man<br>ure | B | 6/23/<br>2014  | S | L | 1 | 2 | 0.0<br>7 | 644  |            |            |      | 5.84      | 5.37 |      |       |           |       |      |      |       |  |  |     |
| Man<br>ure | B | 6/23/<br>2014  | S | L | 3 | 1 | 0.0<br>7 | 221  |            |            |      | 5.84      | 1.84 |      |       |           |       |      |      |       |  |  |     |
| Man<br>ure | B | 6/23/<br>2014  | S | L | 3 | 2 | 0.0<br>6 | 217  |            |            |      | 5.00      | 1.81 |      |       |           |       |      |      |       |  |  |     |
| Man<br>ure | B | 7/17/<br>2014  | S | F | 1 | 1 | 0.0<br>7 | 683  | 103<br>5.0 | 66.1       | 2.59 | 6.04      | 5.70 | 0.55 | 1.25  | 8.63      | 10.36 | 0.76 | 7.85 | 10.83 |  |  | 4:1 |
| Man<br>ure | B | 7/17/<br>2014  | S | F | 2 | 1 | 0.0<br>8 | 744  | 102<br>4.0 | 62.4       | 1.46 | 6.64      | 6.21 | 0.52 | 1.18  | 8.54      | 10.24 | 3.11 | 7.83 | 10.76 |  |  | 4:1 |
| Man<br>ure | B | 8/25/<br>2014  | S | L | 1 | 1 | 0.3<br>9 | 690  | 111<br>0.0 | 102<br>3.0 | 1.55 | 32.5<br>3 | 5.76 | 8.53 | 19.37 | 9.26      | 11.11 | 5.98 | 7.17 | 7.89  |  |  | 7:1 |
| Man<br>ure | B | 8/25/<br>2014  | S | L | 1 | 2 | 0.3<br>4 | 688  | 122<br>2.0 | 965.<br>0  | 1.40 | 28.3<br>6 | 5.74 | 8.05 | 18.27 | 10.1<br>9 | 12.23 | 7.30 | 7.17 | 7.64  |  |  | 6:1 |
| Man<br>ure | B | 8/26/<br>2014  | S | F | 1 | 1 | 0.2<br>9 | 530  | 936<br>.5  | 331.<br>3  | 1.37 | 24.1<br>9 | 4.42 | 2.76 | 6.27  | 7.81      | 9.37  | 2.92 | 7.38 | 8.65  |  |  | 5:1 |
| Man<br>ure | B | 8/26/<br>2014  | S | F | 1 | 2 | 0.2<br>2 | 514  | 107<br>8.0 | 382.<br>5  | 1.53 | 18.3<br>5 | 4.29 | 3.19 | 7.25  | 8.99      | 10.79 | 3.03 | 7.35 | 8.50  |  |  | 6:1 |
| Man<br>ure | B | 11/7/<br>2014  | F | L | 1 | 1 | 0.1<br>1 | 686  | 863<br>.1  | 81.1       | 0.38 | 9.17      | 5.72 | 0.68 | 1.53  | 7.20      | 8.64  | 0.67 | 7.54 | 9.60  |  |  | 3:1 |
| Man<br>ure | B | 11/10<br>/2014 | F | F | 1 | 1 | 0.1<br>1 | 673  | 706<br>.9  | 143.<br>6  | 0.20 | 9.17      | 5.61 | 1.18 | 2.72  | 5.90      | 7.07  | 1.29 | 7.64 | 9.19  |  |  | 5:1 |
| Man<br>ure | B | 11/10<br>/2014 | F | F | 1 | 2 | 0.1<br>1 | 652  | 732<br>.5  | 161.<br>7  | 0.36 | 9.17      | 5.44 | 1.35 | 3.06  | 6.11      | 7.33  | 1.37 | 7.68 | 9.12  |  |  | 5:1 |
| Man<br>ure | B | 1/28/<br>2015  | W | F | 1 | 1 | 0.1<br>3 | 515  | 568<br>.5  | 165.<br>4  | 2.51 | 10.8<br>4 | 4.30 | 1.38 | 3.13  | 4.74      | 5.69  | 1.70 | 7.68 | 8.52  |  |  | 6:1 |
| Man<br>ure | B | 1/28/<br>2015  | W | F | 1 | 2 | 0.1<br>2 | 509  | 504<br>.6  | 126.<br>2  | 1.89 | 10.0<br>0 | 4.25 | 1.05 | 2.40  | 4.21      | 5.05  | 1.43 | 7.70 | 8.59  |  |  | 6:1 |
| Man<br>ure | B | 2/18/<br>2015  | W | F | 1 | 1 | 0.1<br>3 | 1075 | 687<br>.1  | 152.<br>7  | 0.41 | 10.8<br>4 | 8.97 | 1.27 | 2.89  | 5.73      | 6.88  | 1.41 | 7.58 | 8.42  |  |  | 6:1 |
| Man<br>ure | B | 2/18/<br>2015  | W | F | 1 | 2 | 0.1<br>3 | 1168 | 650<br>.8  | 135.<br>7  | 0.44 | 10.8<br>4 | 9.74 | 1.13 | 2.57  | 5.43      | 6.51  | 1.36 | 7.61 | 8.32  |  |  | 5:1 |

|               |             |             |               |             |                    |            |             |                |              |               |                |                  |                   |                  |                    |                 |                   |             |           |                   |             |                  |
|---------------|-------------|-------------|---------------|-------------|--------------------|------------|-------------|----------------|--------------|---------------|----------------|------------------|-------------------|------------------|--------------------|-----------------|-------------------|-------------|-----------|-------------------|-------------|------------------|
| Manure        | B           | 5/12/2014   | SP            | F           | 1                  | 1          | 0.10        | 570            | 360.8        | 98.9          | 0.50           | 8.34             | 4.75              | 0.82             | 1.87               | 3.01            | 3.61              | 1.59        | 7.84      | 3.98              |             | 4:1              |
| Manure        | B           | 5/12/2014   | SP            | F           | 1                  | 2          | 0.11        | 567            | 457.8        | 112.5         | 0.53           | 9.17             | 4.73              | 0.94             | 2.13               | 3.82            | 4.58              | 1.51        | 7.92      | 3.79              |             | 6:1              |
| Manure        | B           | 6/17/2014   | S             | F           | 1                  | 1          | 0.15        | 320            | 581.7        | 124.4         | 2.81           | 12.51            | 2.67              | 1.04             | 2.36               | 4.85            | 5.82              | 1.06        | 7.81      | 5.24              |             | 6:1              |
| Manure        | B           | 6/17/2014   | S             | F           | 1                  | 2          | 0.09        | 294            | 470.9        | 75.6          | 2.85           | 7.51             | 2.45              | 0.63             | 1.43               | 3.93            | 4.71              | 0.99        | 7.83      | 4.36              |             | 3:1              |
| Manure        | B           | 11/13/2014  | F             | F           | 1                  | 1          | 0.11        | 944            | 818.7        | 33.9          | 0.14           | 9.17             | 7.87              | 0.28             | 0.64               | 6.83            | 8.19              | 0.55        | 7.96      | 8.23              |             | 2:1              |
| Manure        | B           | 11/13/2014  | F             | F           | 1                  | 2          | 0.08        | 895            | 845.4        | 37.7          | 0.12           | 6.67             | 7.47              | 0.31             | 0.71               | 7.05            | 8.46              | 0.54        | 7.97      | 8.27              |             | 3:1              |
| Manure        | B           | 2/23/2015   | W             | F           | 1                  | 1          | 0.15        | 661            | 70.5         | 18.0          | 0.23           | 12.51            | 5.51              | 0.15             | 0.34               | 0.59            | 0.71              | 1.41        | 7.66      | 9.00              |             | 5:1              |
| Manure        | B           | 2/23/2015   | W             | F           | 1                  | 2          | 0.14        | 592            | 73.6         | 16.9          | 0.10           | 11.68            | 4.93              | 0.14             | 0.32               | 0.61            | 0.74              | 1.56        | 7.74      | 8.98              |             | 4:1              |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Type</b> | <b>Type_Source</b> | <b>Rep</b> | <b>TN_%</b> | <b>NH3_ppm</b> | <b>K_ppm</b> | <b>TP_ppm</b> | <b>NO3_ppm</b> | <b>TN_lb/gal</b> | <b>NH3_lb/gal</b> | <b>TP_lb/gal</b> | <b>P2O5_lb/gal</b> | <b>K_lb/gal</b> | <b>K2O_lb/gal</b> | <b>DM_%</b> | <b>pH</b> | <b>EC_mhos/cm</b> | <b>OM_%</b> | <b>C/N Ratio</b> |
| Manure        | C           | 10/30/2013  | F             | F           | 1                  | 1          | 0.27        | 956            |              | 567.0         | 16.33          | 22.52            | 7.97              | 4.73             | 10.73              |                 |                   | 4.41        | 7.83      | 2.20              |             | 6:1              |
| Manure        | C           | 1/16/2014   | W             | L           | 1                  | 1          | 0.20        | 1212           | 1084.0       | 384.7         | 5.48           | 16.68            | 10.11             | 3.21             | 7.28               | 9.04            | 10.85             | 1.96        | 7.21      | 13.00             |             | 5:1              |
| Manure        | C           | 1/16/2014   | W             | L           | 1                  | 2          | 0.25        | 1439           | 1497.0       | 343.0         | 4.95           | 20.85            | 12.00             | 2.86             | 6.49               | 12.48           | 14.98             | 2.61        | 7.13      | 15.90             |             | 5:1              |
| Manure        | C           | 1/16/2014   | W             | F           | 1                  | 1          | 0.27        | 1671           | 1596.0       | 318.2         | 7.50           | 22.52            | 13.94             | 2.65             | 6.02               | 13.31           | 15.97             | 3.45        | 7.33      | 16.85             |             | 5:1              |
| Manure        | C           | 3/11/2014   | W             | L           | 1                  | 1          | 0.14        | 927            | 931.8        | 167.8         | 6.08           | 11.63            | 4.37              | 1.40             | 3.18               | 7.77            | 9.33              | 1.54        | 8.01      | 1.86              |             | 5:1              |
| Manure        | C           | 3/11/2014   | W             | L           | 1                  | 2          | 0.14        | 1129           | 1070.0       | 222.0         | 6.97           | 11.95            | 7.74              | 1.85             | 4.20               | 8.92            | 10.71             | 1.54        | 7.92      | 2.52              |             | 5:1              |
| Manure        | C           | 3/12/2014   | W             | F           | 1                  | 1          | 0.24        | 1646           | 1242.0       | 406.9         | 1.43           | 20.02            | 13.73             | 3.39             | 7.70               | 10.36           | 12.43             | 3.13        | 7.87      | 3.68              |             | 6:1              |
| Manure        | C           | 3/12/2014   | W             | F           | 1                  | 2          | 0.24        | 1547           | 1321.0       | 441.5         | 2.61           | 20.02            | 12.91             | 3.68             | 8.36               | 11.02           | 13.22             | 3.23        | 8.02      | 3.76              |             | 6:1              |
| Manure        | C           | 3/12/2014   | W             | F           | 1                  | 3          | 0.2         | 1613           | 137          | 458.          | 2.35           | 20.0             | 13.45             | 3.83             | 8.69               | 11.4            | 13.79             | 3.18        | 7.86      | 3.70              |             | 6:1              |

|            |   |               |    |   |   |   |          |      |            |           |      |           |       |      |      |           |       |      |      |       |  |  |     |
|------------|---|---------------|----|---|---|---|----------|------|------------|-----------|------|-----------|-------|------|------|-----------|-------|------|------|-------|--|--|-----|
| ure        |   | 2014          |    |   |   |   | 4        |      | 7.0        | 8         |      | 2         |       |      |      | 8         |       |      |      |       |  |  |     |
| Man<br>ure | C | 3/12/<br>2014 | W  | L | 1 | 1 | 0.1<br>3 | 915  | 837<br>.6  | 128.<br>8 | 5.16 | 10.8<br>4 | 7.63  | 1.07 | 2.44 | 6.99      | 8.38  | 1.50 | 8.03 | 2.28  |  |  | 6:1 |
| Man<br>ure | C | 3/12/<br>2014 | W  | L | 1 | 2 | 0.1<br>4 | 1034 | 752<br>.8  | 126.<br>1 | 6.53 | 11.6<br>8 | 8.63  | 1.05 | 2.39 | 6.28      | 7.53  | 1.54 | 7.95 | 2.36  |  |  | 5:1 |
| Man<br>ure | C | 4/1/2<br>014  | SP | F | 1 | 1 | 0.2<br>4 | 1461 | 216<br>1.0 | 428.<br>8 | 3.49 | 20.3<br>2 | 12.18 | 3.58 | 8.12 | 18.0<br>2 | 21.63 | 3.13 | 7.21 | 18.57 |  |  | 6:1 |
| Man<br>ure | C | 4/1/2<br>014  | SP | F | 1 | 2 | 0.2<br>5 | 1359 | 223<br>9.0 | 421.<br>5 | 1.39 | 20.6<br>9 | 11.33 | 3.52 | 7.98 | 18.6<br>7 | 22.41 | 3.17 | 7.26 | 17.76 |  |  | 6:1 |
| Man<br>ure | C | 4/1/2<br>014  | SP | L | 1 | 1 | 0.2<br>0 | 975  | 176<br>5.0 | 378.<br>7 | 2.34 | 16.6<br>3 | 8.13  | 3.16 | 7.17 | 14.7<br>2 | 17.66 | 5.03 | 7.03 | 14.94 |  |  | 6:1 |
| Man<br>ure | C | 4/1/2<br>014  | SP | L | 1 | 2 | 0.2<br>4 | 1232 | 207<br>9.0 | 429.<br>1 | 1.26 | 19.6<br>4 | 10.27 | 3.58 | 8.12 | 17.3<br>4 | 20.81 | 2.92 | 6.98 | 17.53 |  |  | 6:1 |
| Man<br>ure | C | 4/9/2<br>014  | SP | L | 1 | 1 | 0.2<br>5 | 1134 | 168<br>0.0 | 448.<br>9 | 0.95 | 20.2<br>6 | 9.46  | 3.74 | 8.50 | 14.0<br>1 | 16.81 | 2.72 | 6.99 | 16.06 |  |  | 6:1 |
| Man<br>ure | C | 5/7/2<br>014  | SP | F | 1 | 1 | 0.2<br>8 | 594  | 179<br>9.0 | 375.<br>7 | 2.46 | 23.3<br>5 | 4.95  | 3.13 | 7.11 | 15.0<br>0 | 18.00 | 3.22 | 7.05 | 17.01 |  |  | 6:1 |
| Man<br>ure | C | 5/7/2<br>014  | SP | F | 2 | 1 | 0.2<br>8 | 1484 | 899<br>.1  | 207.<br>8 | 6.09 | 23.3<br>5 | 12.73 | 1.73 | 3.93 | 7.50      | 9.00  | 3.10 | 7.09 | 17.34 |  |  | 5:1 |
| Man<br>ure | C | 5/12/<br>2014 | SP | F | 1 | 1 | 0.1<br>0 | 570  | 360<br>.8  | 98.9      | 0.50 | 7.92      | 7.68  | 0.82 | 1.87 | 3.01      | 3.61  | 1.59 | 7.84 | 3.98  |  |  | 4:1 |
| Man<br>ure | C | 5/12/<br>2014 | SP | F | 1 | 2 | 0.1<br>1 | 567  | 457<br>.8  | 112.<br>5 | 0.53 | 9.17      | 7.97  | 0.94 | 2.13 | 3.82      | 4.58  | 1.51 | 7.92 | 3.79  |  |  | 6:1 |
| Man<br>ure | C | 6/5/2<br>014  | S  | F | 1 | 1 | 0.2<br>3 | 1052 | 162<br>5.0 | 442.<br>6 | 1.07 | 19.1<br>8 | 8.77  | 3.69 | 8.38 | 13.5<br>5 | 16.26 | 3.48 | 7.10 | 6.87  |  |  | 7:1 |
| Man<br>ure | C | 6/5/2<br>014  | S  | F | 1 | 2 | 0.2<br>3 | 438  | 158<br>6.0 | 427.<br>5 | 0.94 | 19.1<br>8 | 3.65  | 3.57 | 8.09 | 13.2<br>3 | 15.87 | 3.52 | 7.16 | 6.74  |  |  | 7:1 |
| Man<br>ure | C | 6/17/<br>2014 | S  | F | 1 | 1 | 0.1<br>5 | 320  | 581<br>.7  | 124.<br>4 | 2.81 | 12.1<br>6 | 2.67  | 1.04 | 2.36 | 4.85      | 5.82  | 1.06 | 7.81 | 5.24  |  |  | 6:1 |
| Man<br>ure | C | 6/17/<br>2014 | S  | F | 2 | 1 | 0.0<br>9 | 294  | 470<br>.9  | 75.6      | 2.85 | 7.65      | 2.45  | 0.63 | 1.43 | 3.93      | 4.71  | 0.99 | 7.83 | 4.36  |  |  | 3:1 |
| Man<br>ure | C | 6/25/<br>2014 | S  | L | 1 | 1 | 0.2<br>6 | 1564 | 201<br>1.0 | 431.<br>7 | 7.89 | 21.6<br>8 | 13.04 | 3.60 | 8.17 | 16.7<br>7 | 20.13 | 3.34 | 6.86 | 17.80 |  |  | 6:1 |
| Man<br>ure | C | 6/25/<br>2014 | S  | L | 1 | 2 | 0.2<br>6 | 1652 | 215<br>6.0 | 442.<br>5 | 6.28 | 21.6<br>8 | 13.78 | 3.69 | 8.38 | 17.9<br>8 | 21.58 | 3.32 | 6.88 | 17.58 |  |  | 6:1 |
| Man<br>ure | C | 8/1/2<br>014  | S  | L | 1 | 1 | 0.2<br>1 | 922  | 147<br>7.0 | 316.<br>4 | 0.61 | 17.6<br>8 | 7.69  | 2.64 | 5.99 | 12.3<br>2 | 14.78 | 2.71 | 7.00 | 14.96 |  |  | 6:1 |

|            |   |                |   |   |   |   |          |      |            |           |       |           |       |      |       |           |       |      |      |       |  |     |
|------------|---|----------------|---|---|---|---|----------|------|------------|-----------|-------|-----------|-------|------|-------|-----------|-------|------|------|-------|--|-----|
| Man<br>ure | C | 11/7/<br>2014  | F | L | 1 | 1 | 0.1<br>3 | 730  | 110<br>9.0 | 241.<br>3 | 3.38  | 10.8<br>4 | 6.08  | 2.01 | 4.57  | 9.25      | 11.10 | 1.60 | 7.06 | 10.66 |  | 6:1 |
| Man<br>ure | C | 11/7/<br>2014  | F | L | 1 | 2 | 0.1<br>3 | 806  | 113<br>6.0 | 230.<br>6 | 6.81  | 10.8<br>4 | 6.73  | 1.92 | 4.37  | 9.47      | 11.37 | 1.53 | 7.08 | 10.41 |  | 6:1 |
| Man<br>ure | C | 11/12<br>/2014 | F | F | 1 | 1 | 0.1<br>9 | 1147 | 132<br>3.0 | 333.<br>8 | 2.52  | 15.8<br>5 | 9.57  | 2.78 | 6.32  | 11.0<br>3 | 13.24 | 2.42 | 7.20 | 14.16 |  | 6:1 |
| Man<br>ure | C | 11/12<br>/2014 | F | F | 1 | 2 | 0.2<br>1 | 1071 | 146<br>2.0 | 364       | 1.92  | 17.5<br>1 | 8.93  | 3.04 | 6.89  | 12.1<br>9 | 14.63 | 2.46 | 7.15 | 14.39 |  | 6:1 |
| Man<br>ure | C | 1/29/<br>2015  | W | F | 1 | 1 | 0.2<br>1 | 1144 | 967<br>.2  | 187.<br>0 | 8.47  | 17.6<br>6 | 9.54  | 1.56 | 3.54  | 8.07      | 9.7   | 2.84 | 7.43 | 15.49 |  | 6:1 |
| Man<br>ure | C | 1/29/<br>2015  | W | F | 1 | 2 | 0.2<br>1 | 1302 | 153<br>1.0 | 296.<br>4 | 8.30  | 17.7<br>1 | 10.86 | 2.47 | 5.61  | 12.7<br>7 | 15.32 | 2.76 | 7.58 | 14.50 |  | 5:1 |
| Man<br>ure | C | 2/17/<br>2015  | W | F | 1 | 1 | 0.2<br>2 | 442  | 147<br>7.0 | 287       | 30.62 | 18.3<br>5 | 3.69  | 2.39 | 12.32 | 5.43      | 14.78 | 2.41 | 7.34 | 14.48 |  | 5:1 |
| Man<br>ure | C | 2/17/<br>2015  | W | F | 1 | 2 | 0.2<br>0 | 457  | 168<br>1.0 | 323.<br>1 | 29.83 | 16.6<br>8 | 3.81  | 2.69 | 14.02 | 6.12      | 16.82 | 2.46 | 7.44 | 13.95 |  | 6:1 |

## SOIL DATA

| Medium | Site | Date       | Season | Plot | Loc | Depth | Trt | NH3<br>(ppm) | NO3<br>(ppm) | TN<br>(%) | P1<br>(ppm) | P2<br>(ppm) | OM<br>(%) | EC<br>(Umhos/cm) | pH   |
|--------|------|------------|--------|------|-----|-------|-----|--------------|--------------|-----------|-------------|-------------|-----------|------------------|------|
| Soil   | A    | 10/14/2011 | F      | C    | 6   | 12    | S   | 6.77         | 3.9          | 0.22      | 202.39      | 213.33      | 3.6       | 70.2             | 7.05 |
| Soil   | A    | 10/14/2011 | F      | C    | 6   | 24    | S   | 1.88         | 3.3          | 0.04      | 31.44       | 138.37      | 0.76      | 29.1             | 7.45 |
| Soil   | A    | 10/14/2011 | F      | C    | 6   | 36    | S   | 1.05         | 3            | 0.03      | 16.24       | 80.87       | 0.45      | 31.7             | 7.55 |
| Soil   | A    | 10/14/2011 | F      | C    | 5   | 12    | S   | 5.33         | 4.4          | 0.17      | 136.41      | 110.9       | 3.02      | 49.5             | 5.96 |
| Soil   | A    | 10/14/2011 | F      | C    | 5   | 24    | S   | 2.69         | 3.1          | 0.05      | 15.03       | 133.19      | 0.43      | 15.7             | 6.53 |
| Soil   | A    | 10/14/2011 | F      | C    | 5   | 36    | S   | 4.22         | 3.7          | 0.05      | 38.1        | 147.82      | 0.98      | 26.7             | 6.33 |
| Soil   | A    | 10/14/2011 | F      | C    | 4   | 12    | S   | 6.33         | 5.9          | 0.21      | 244.51      | 229.86      | 3.81      | 42.7             | 7.02 |
| Soil   | A    | 10/14/2011 | F      | C    | 4   | 24    | S   | 1.79         | 3.4          | 0.05      | 72          | 80.63       | 0.81      | 30.2             | 7.58 |
| Soil   | A    | 10/14/2011 | F      | C    | 4   | 36    | S   | 1.31         | 3.3          | 0.04      | 16.105      | 97.36       | 0.47      | 14.8             | 7.41 |
| Soil   | A    | 10/14/2011 | F      | C    | 3   | 12    | S   | 8.44         | 6.6          | 0.24      | 181.45      | 217.35      | 4.52      | 52.3             | 6.37 |
| Soil   | A    | 10/14/2011 | F      | C    | 3   | 24    | S   | 1.64         | 3.3          | 0.06      | 9.154       | 102.23      | 0.72      | 25.1             | 6.6  |
| Soil   | A    | 10/14/2011 | F      | C    | 3   | 36    | S   | 1.50         | 3.2          | 0.03      | 12.32       | 108.44      | 0.53      | 13.8             | 7.15 |
| Soil   | A    | 10/14/2011 | F      | C    | 2   | 12    | S   | 5.91         | 6.6          | 0.19      | 95.342      | 208.25      | 2.95      | 52.7             | 6.18 |
| Soil   | A    | 10/14/2011 | F      | C    | 2   | 24    | S   | 4.22         | 4.7          | 0.14      | 26.465      | 109.88      | 2.48      | 50.5             | 6.1  |
| Soil   | A    | 10/14/2011 | F      | C    | 2   | 36    | S   | 1.43         | 3.4          | 0.04      | 6.887       | 167.58      | 0.6       | 12.7             | 6.61 |
| Soil   | A    | 10/14/2011 | F      | C    | 1   | 12    | S   | 4.62         | 3.6          | 0.14      | 127.817     | 253.9       | 2.28      | 31.1             | 7.09 |
| Soil   | A    | 10/14/2011 | F      | C    | 1   | 24    | S   | 1.64         | 2.9          | 0.02      | 6.65        | 94.74       | 0.81      | 21.9             | 7.05 |
| Soil   | A    | 10/14/2011 | F      | C    | 1   | 36    | S   | 1.20         | 3            | 0.07      | 10.567      | 130.02      | 0.5       | 10.1             | 7.09 |
| Soil   | A    | 12/7/2011  | F      | C    | 1   | 12    | S   | 11.31        | 9.4          | 0.31      | 315.68      | 338.62      | 5.2       | 116.1            | 6.96 |
| Soil   | A    | 12/7/2011  | F      | C    | 1   | 24    | S   | 3.84         | 4.5          | 0.16      | 49.74       | 187.98      | 1.76      | 67.9             | 6.99 |
| Soil   | A    | 1/10/2012  | W      | C    | 1   | 12    | S   | 12.85        | 29.02        | 0.28      | 288         | 338.31      | 4.41      | 97.5             | 6.79 |
| Soil   | A    | 1/10/2012  | W      | C    | 1   | 24    | S   | 7.86         | 19.52        | 0.19      | 157         | 241.61      | 2.78      | 69.4             | 6.86 |
| Soil   | A    | 1/10/2012  | W      | C    | 1   | 36    | S   | 5.08         | 4.29         | 0.08      | 14          | 129.5       | 0.88      | 50.1             | 7.09 |
| Soil   | A    | 2/9/2012   | W      | C    | 1   | 12    | S   | 10.29        | 1.1          | 0.06      | 267.07      | 414.03      | 0.61      | 59.3             | 6.64 |
| Soil   | A    | 2/9/2012   | W      | C    | 1   | 24    | S   | 5.75         | 0.05         | 0.24      | 47.69       | 200.4       | 4.16      | 47.6             | 6.75 |

|      |   |           |    |   |   |    |   |       |       |      |        |        |      |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|--------|--------|------|-------|------|
| Soil | A | 2/9/2012  | W  | C | 1 | 36 | S | 2.63  | 0.05  | 0.13 | 32.41  | 168.09 | 1.83 | 25    | 6.95 |
| Soil | A | 3/8/2012  | W  | C | 1 | 12 | S | 43.42 | 2.24  | 0.27 | 269.79 | 464.72 | 4.61 | 110.9 | 6.66 |
| Soil | A | 3/8/2012  | W  | C | 1 | 24 | S | 4.97  | 0.76  | 0.12 | 53.3   | 180.52 | 1.69 | 69.7  | 6.83 |
| Soil | A | 3/8/2012  | W  | C | 1 | 36 | S | 3.02  | 0.28  | 0.09 | 43.97  | 173.79 | 1.15 | 69.9  | 6.69 |
| Soil | A | 4/4/2012  | SP | C | 1 | 12 | S | 16.99 | 1.62  | 0.28 | 207.54 | 393.91 | 4.47 | 87.4  | 6.66 |
| Soil | A | 4/4/2012  | SP | C | 1 | 24 | S | 13.69 | 1.25  | 0.14 | 54.97  | 171.76 | 1.88 | 56.1  | 6.98 |
| Soil | A | 4/4/2012  | SP | C | 1 | 36 | S | 4.7   | 1.07  | 0.11 | 41.62  | 154.8  | 2.01 | 145.7 | 7.09 |
| Soil | A | 5/10/2012 | SP | C | 1 | 12 | S | 6.13  | 1.54  | 0.28 | 375.32 | 580.9  | 4.81 | 36.5  | 6.54 |
| Soil | A | 6/15/2012 | SP | C | 1 | 12 | S | 3.3   | 5.78  | 0.18 | 289.03 | 528.77 | 3.44 | 0.11  | 6.56 |
| Soil | A | 6/15/2012 | SP | C | 1 | 24 | S | 2.37  | 1.71  | 0.08 | 26.01  | 168.23 | 1.15 | 0.06  | 6.93 |
| Soil | A | 6/15/2012 | SP | C | 1 | 36 | S | 2.11  | 1.7   | 0.07 | 29.19  | 183.26 | 0.78 | 0.07  | 7.21 |
| Soil | A | 7/20/2012 | S  | C | 1 | 12 | S | 3.38  | 0.77  | 0.31 | 376.42 | 553.85 | 4.71 | 49.3  | 6.56 |
| Soil | A | 7/20/2012 | S  | C | 1 | 24 | S | 2.04  | 0.33  | 0.11 | 29.66  | 150.51 | 1.25 | 29.3  | 6.92 |
| Soil | A | 7/20/2012 | S  | C | 1 | 36 | S | 1.93  | 0.47  | 0.1  | 20.94  | 141.83 | 0.78 | 32.9  | 6.91 |
| Soil | A | 12/7/2011 | F  | C | 2 | 12 | S | 7.93  | 6.5   | 0.23 | 135.56 | 239.61 | 3.55 | 82.4  | 6.49 |
| Soil | A | 12/7/2011 | F  | C | 2 | 24 | S | 3.06  | 5     | 0.14 | 34.13  | 145.82 | 1.63 | 40.1  | 6.44 |
| Soil | A | 1/10/2012 | W  | C | 2 | 12 | S | 10.15 | 19.38 | 0.2  | 98     | 149.98 | 3.28 | 81.1  | 6.28 |
| Soil | A | 1/10/2012 | W  | C | 2 | 24 | S | 8.25  | 14.77 | 0.17 | 79     | 209.42 | 2.04 | 65    | 6.21 |
| Soil | A | 1/10/2012 | W  | C | 2 | 36 | S | 4.92  | 2.96  | 0.07 | 37     | 192.77 | 0.66 | 35.2  | 6.52 |
| Soil | A | 2/9/2012  | W  | C | 2 | 12 | S | 8.92  | 11.3  | 0.08 | 114.43 | 163.55 | 0.93 | 65.9  | 6.06 |
| Soil | A | 2/9/2012  | W  | C | 2 | 24 | S | 4.47  | 15.24 | 0.21 | 26.59  | 168.35 | 3.72 | 37.2  | 6.21 |
| Soil | A | 2/9/2012  | W  | C | 2 | 36 | S | 3.02  | 17.03 | 0.11 | 1.55   | 156.39 | 1.27 | 24    | 6.47 |
| Soil | A | 3/8/2012  | W  | C | 2 | 12 | S | 11.59 | 5.37  | 0.23 | 126.54 | 230.14 | 3.78 | 134.8 | 6.3  |
| Soil | A | 3/8/2012  | W  | C | 2 | 24 | S | 3.52  | 0.66  | 0.07 | 57.04  | 168.92 | 1.38 | 55.5  | 6.27 |
| Soil | A | 3/8/2012  | W  | C | 2 | 36 | S | 1.49  | 0.42  | 0.05 | 24.63  | 121.21 | 0.67 | 47.7  | 6.36 |
| Soil | A | 4/4/2012  | SP | C | 2 | 12 | S | 10.41 | 3.07  | 0.23 | 133.16 | 300.74 | 3.53 | 77.7  | 6.59 |
| Soil | A | 4/4/2012  | SP | C | 2 | 24 | S | 5.63  | 2.62  | 0.14 | 84.5   | 202.14 | 1.83 | 66.2  | 6.63 |
| Soil | A | 4/4/2012  | SP | C | 2 | 36 | S | 3.98  | 0.92  | 0.1  | 29.83  | 149    | 0.78 | 40.2  | 7.07 |
| Soil | A | 5/10/2012 | SP | C | 2 | 12 | S | 2.89  | 0.1   | 0.23 | 195.78 | 340.47 | 3.85 | 26.4  | 6.43 |
| Soil | A | 6/15/2012 | SP | C | 2 | 12 | S | 4.41  | 5.3   | 0.21 | 127.42 | 296.05 | 3.18 | 0.12  | 6.5  |

|      |   |           |    |   |   |    |   |       |       |      |        |        |      |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|--------|--------|------|-------|------|
| Soil | A | 6/15/2012 | SP | C | 2 | 24 | S | 1.52  | 2.53  | 0.1  | 45.05  | 202.87 | 1.43 | 0.09  | 6.37 |
| Soil | A | 6/15/2012 | SP | C | 2 | 36 | S | 1.41  | 1.18  | 0.06 | 14.57  | 175.54 | 0.5  | 0.04  | 6.64 |
| Soil | A | 7/20/2012 | S  | C | 2 | 12 | S | 4.29  | 2.01  | 0.24 | 129.01 | 336.68 | 3.92 | 40.6  | 6.39 |
| Soil | A | 7/20/2012 | S  | C | 2 | 24 | S | 1.71  | 0.59  | 0.14 | 24.03  | 147.42 | 1.47 | 28.7  | 6.65 |
| Soil | A | 7/20/2012 | S  | C | 2 | 36 | S | 0.47  | 0.23  | 0.09 | 15.11  | 133.63 | 0.79 | 22.8  | 6.66 |
| Soil | A | 12/7/2011 | F  | C | 3 | 12 | S | 10.22 | 5.7   | 0.27 | 200.81 | 322.3  | 4.48 | 81    | 6.66 |
| Soil | A | 12/7/2011 | F  | C | 3 | 24 | S | 3.38  | 6.6   | 0.11 | 29.56  | 139.99 | 1.55 | 57    | 6.61 |
| Soil | A | 1/10/2012 | W  | C | 3 | 12 | S | 12.25 | 29.07 | 0.29 | 186    | 228.99 | 4.66 | 77    | 6.76 |
| Soil | A | 1/10/2012 | W  | C | 3 | 24 | S | 5.94  | 16.66 | 0.12 | 24     | 120.81 | 1.52 | 65.2  | 6.77 |
| Soil | A | 1/10/2012 | W  | C | 3 | 36 | S | 4.69  | 13.19 | 0.09 | 18     | 125.83 | 1.08 | 55.1  | 6.86 |
| Soil | A | 2/9/2012  | W  | C | 3 | 12 | S | 13.33 | 12.8  | 0.32 | 143.33 | 243.67 | 5.6  | 79.9  | 6.32 |
| Soil | A | 2/9/2012  | W  | C | 3 | 24 | S | 5.58  | 8.24  | 0.12 | 74.33  | 141.07 | 1.9  | 53.4  | 6.35 |
| Soil | A | 2/9/2012  | W  | C | 3 | 36 | S | 3.06  | 10.89 | 0.1  | 6.69   | 177.52 | 1    | 32.8  | 6.52 |
| Soil | A | 3/8/2012  | W  | C | 3 | 12 | S | 13.51 | 1.18  | 0.26 | 169.03 | 302.58 | 4.69 | 116.5 | 6.41 |
| Soil | A | 3/8/2012  | W  | C | 3 | 24 | S | 2.31  | 0.32  | 0.07 | 16.44  | 119.56 | 0.84 | 48.7  | 6.52 |
| Soil | A | 3/8/2012  | W  | C | 3 | 36 | S | 1.68  | 0.19  | 0.06 | 24.4   | 121.05 | 0.58 | 36.3  | 6.54 |
| Soil | A | 12/7/2011 | F  | C | 4 | 12 | S | 8.7   | 5.8   | 0.3  | 250.06 | 305.6  | 5.3  | 85.3  | 7.12 |
| Soil | A | 12/7/2011 | F  | C | 4 | 24 | S | 3.64  | 3.8   | 0.12 | 84.3   | 212.36 | 1.4  | 36.1  | 6.34 |
| Soil | A | 1/10/2012 | W  | C | 4 | 12 | S | 8.31  | 14.05 | 0.24 | 201    | 322.18 | 4.34 | 76.3  | 7.1  |
| Soil | A | 1/10/2012 | W  | C | 4 | 24 | S | 8.44  | 20.49 | 0.17 | 150    | 257.38 | 2.49 | 60.9  | 7.28 |
| Soil | A | 1/10/2012 | W  | C | 4 | 36 | S | 4.97  | 7.21  | 0.11 | 69     | 157.36 | 1.34 | 60.4  | 7.27 |
| Soil | A | 2/9/2012  | W  | C | 4 | 12 | S | 11.84 | 9.78  | 0.31 | 274.01 | 477.18 | 6.61 | 82.6  | 6.73 |
| Soil | A | 2/9/2012  | W  | C | 4 | 24 | S | 10    | 8.64  | 0.16 | 179.17 | 349.76 | 2.51 | 38.7  | 6.9  |
| Soil | A | 2/9/2012  | W  | C | 4 | 36 | S | 3.33  | 12.26 | 0.08 | 36.71  | 194.1  | 0.88 | 34.2  | 7.01 |
| Soil | A | 3/8/2012  | W  | C | 4 | 12 | S | 18.02 | 2.08  | 0.28 | 230.18 | 421.65 | 4.91 | 132.8 | 6.71 |
| Soil | A | 3/8/2012  | W  | C | 4 | 24 | S | 5.33  | 0.42  | 0.11 | 161.24 | 161.24 | 1.75 | 73.5  | 6.73 |
| Soil | A | 3/8/2012  | W  | C | 4 | 36 | S | 1.35  | 0.49  | 0.06 | 32.2   | 142.01 | 0.77 | 49.3  | 6.94 |
| Soil | A | 12/7/2011 | F  | C | 5 | 12 | S | 7.59  | 6.7   | 0.23 | 145.02 | 227.86 | 3.71 | 73.4  | 6.25 |
| Soil | A | 12/7/2011 | F  | C | 5 | 24 | S | 3.92  | 6.4   | 0.13 | 51.4   | 175.54 | 1.9  | 37.3  | 7.25 |
| Soil | A | 1/10/2012 | W  | C | 5 | 12 | S | 9.02  | 22.15 | 0.22 | 129    | 206.06 | 3.45 | 55.6  | 6.17 |

|      |   |            |    |   |   |    |   |       |       |      |        |        |      |       |      |
|------|---|------------|----|---|---|----|---|-------|-------|------|--------|--------|------|-------|------|
| Soil | A | 1/10/2012  | W  | C | 5 | 24 | S | 5.76  | 10.44 | 0.13 | 42     | 174.13 | 1.28 | 28.3  | 6.27 |
| Soil | A | 1/10/2012  | W  | C | 5 | 36 | S | 4.86  | 2.43  | 0.07 | 18     | 135.58 | 0.55 | 22.4  | 7.14 |
| Soil | A | 2/9/2012   | W  | C | 5 | 12 | S | 11.44 | 3.82  | 0.23 | 137.51 | 191.37 | 4.01 | 46.8  | 6.3  |
| Soil | A | 2/9/2012   | W  | C | 5 | 24 | S | 7.08  | 9.23  | 0.08 | 54.22  | 184.82 | 1.4  | 38.5  | 6.1  |
| Soil | A | 2/9/2012   | W  | C | 5 | 36 | S | 4.24  | 0.05  | 0.06 | 15.72  | 139.14 | 0.67 | 28.5  | 6.3  |
| Soil | A | 3/8/2012   | W  | C | 5 | 12 | S | 7.56  | 2.03  | 0.21 | 146.28 | 224.97 | 3.92 | 89.1  | 5.82 |
| Soil | A | 3/8/2012   | W  | C | 5 | 24 | S | 3.33  | 0.84  | 0.08 | 55.49  | 169.14 | 1.4  | 69.9  | 5.81 |
| Soil | A | 3/8/2012   | W  | C | 5 | 36 | S | 0.41  | 1.05  | 0.04 | 15.5   | 117    | 0.54 | 144.3 | 6.5  |
| Soil | A | 4/4/2012   | SP | C | 5 | 12 | S | 12.84 | 1.77  | 0.21 | 140.91 | 301.73 | 3.29 | 399   | 5.77 |
| Soil | A | 4/4/2012   | SP | C | 5 | 24 | S | 6.03  | 1.4   | 0.11 | 52.51  | 172.53 | 1.31 | 46.5  | 5.87 |
| Soil | A | 4/4/2012   | SP | C | 5 | 36 | S | 1.48  | 1.68  | 0.08 | 21.63  | 147.81 | 0.61 | 48.7  | 6.04 |
| Soil | A | 5/10/2012  | SP | C | 5 | 12 | S | 3.1   | 0.1   | 0.19 | 171.34 | 297.99 | 3.22 | 15.8  | 6.12 |
| Soil | A | 6/15/2012  | SP | C | 5 | 12 | S | 2.62  | 3.69  | 0.22 | 163.09 | 316.96 | 3.76 | 0.11  | 6.35 |
| Soil | A | 6/15/2012  | SP | C | 5 | 24 | S | 1.52  | 1.1   | 0.08 | 34.41  | 179.84 | 1.12 | 0.06  | 6.56 |
| Soil | A | 6/15/2012  | SP | C | 5 | 36 | S | 2.74  | 0.19  | 0.06 | 14.17  | 170.18 | 0.53 | 0.05  | 6.78 |
| Soil | A | 7/20/2012  | S  | C | 5 | 12 | S | 3.04  | 1.02  | 0.27 | 172.32 | 349.78 | 4.75 | 72    | 6.11 |
| Soil | A | 7/20/2012  | S  | C | 5 | 24 | S | 2.82  | 0.84  | 0.21 | 39.43  | 108.5  | 4.05 | 34.5  | 6.29 |
| Soil | A | 7/20/2012  | S  | C | 5 | 36 | S | 1.77  | 0.33  | 0.08 | 17.66  | 130.71 | 0.8  | 19.8  | 6.43 |
| Soil | A | 12/7/2011  | F  | C | 6 | 12 | S | 11.04 | 7.3   | 0.27 | 165.47 | 303.24 | 4.18 | 56.4  | 7.29 |
| Soil | A | 12/7/2011  | F  | C | 6 | 24 | S | 2.49  | 4.7   | 0.09 | 17.99  | 113.78 | 0.89 | 46.7  | 7.15 |
| Soil | A | 1/10/2012  | W  | C | 6 | 12 | S | 9.53  | 37.62 | 0.33 | 191    | 283.4  | 4.57 | 114.6 | 7.09 |
| Soil | A | 1/10/2012  | W  | C | 6 | 24 | S | 6.68  | 29.51 | 0.12 | 46     | 178.4  | 1.36 | 71.3  | 7.3  |
| Soil | A | 1/10/2012  | W  | C | 6 | 36 | S | 4.59  | 9.34  | 0.08 | 18     | 119.63 | 0.84 | 59.5  | 7.46 |
| Soil | A | 2/9/2012   | W  | C | 6 | 12 | S | 10.42 | 8.14  | 0.23 | 152.32 | 233.99 | 4.03 | 96.8  | 6.72 |
| Soil | A | 2/9/2012   | W  | C | 6 | 24 | S | 5.82  | 5.56  | 0.12 | 50.06  | 216.39 | 1.6  | 56.7  | 6.89 |
| Soil | A | 2/9/2012   | W  | C | 6 | 36 | S | 4.39  | 3.72  | 0.08 | 22.48  | 178.99 | 0.7  | 40.7  | 6.98 |
| Soil | A | 3/8/2012   | W  | C | 6 | 12 | S | 14.76 | 3.32  | 0.24 | 188.31 | 323.97 | 4    | 132.3 | 6.44 |
| Soil | A | 3/8/2012   | W  | C | 6 | 24 | S | 5.46  | 0.44  | 0.12 | 94.06  | 232.99 | 1.71 | 125.4 | 6.74 |
| Soil | A | 3/8/2012   | W  | C | 6 | 36 | S | 3.09  | 0.15  | 0.06 | 31.28  | 159.32 | 0.85 | 59.4  | 6.73 |
| Soil | A | 10/14/2011 | F  | T | 6 | 12 | A | 4.13  | 4     | 0.12 | 271.12 | 332.76 | 2.14 | 27.7  | 5.42 |

|      |   |            |    |   |   |    |   |       |       |      |        |         |       |       |      |
|------|---|------------|----|---|---|----|---|-------|-------|------|--------|---------|-------|-------|------|
| Soil | A | 10/14/2011 | F  | T | 6 | 24 | A | 4.49  | 3.5   | 0.11 | 173.28 | 292.55  | 2.21  | 43.6  | 5.42 |
| Soil | A | 10/14/2011 | F  | T | 6 | 36 | A | 8.63  | 3.5   | 0.09 | 74.47  | 301.81  | 2.1   | 24.7  | 5.44 |
| Soil | A | 10/14/2011 | F  | T | 5 | 12 | A | 6.02  | 7.6   | 0.14 | 351.32 | 455.319 | 2.76  | 28.2  | 5.41 |
| Soil | A | 10/14/2011 | F  | T | 5 | 24 | A | 4.22  | 4     | 0.09 | 166.55 | 235.41  | 2.47  | 29.3  | 5.37 |
| Soil | A | 10/14/2011 | F  | T | 5 | 36 | A | 2.15  | 3.6   | 0.03 | 19.28  | 143.11  | 0.095 | 20.8  | 5.46 |
| Soil | A | 10/14/2011 | F  | T | 4 | 12 | A | 5.53  | 4.4   | 0.13 | 184.06 | 267.51  | 2.62  | 26.8  | 5.53 |
| Soil | A | 10/14/2011 | F  | T | 4 | 24 | A | 2.35  | 3.5   | 0.05 | 37.21  | 166.7   | 0.86  | 14.7  | 5.74 |
| Soil | A | 10/14/2011 | F  | T | 4 | 36 | A | 1.43  | 3.2   | 0.01 | 7.37   | 142.41  | 0.45  | 17.2  | 5.82 |
| Soil | A | 10/14/2011 | F  | T | 3 | 12 | A | 6.50  | 4.7   | 0.16 | 128.91 | 201.15  | 2.91  | 32.1  | 5.9  |
| Soil | A | 10/14/2011 | F  | T | 3 | 24 | A | 2.37  | 3.8   | 0.05 | 13.2   | 107.67  | 0.72  | 18.7  | 5.82 |
| Soil | A | 10/14/2011 | F  | T | 3 | 36 | A | 1.96  | 3.8   | 0.01 | 4.8    | 135.03  | 0.5   | 14.4  | 5.97 |
| Soil | A | 10/14/2011 | F  | T | 2 | 12 | A | 7.41  | 4.7   | 0.2  | 126.1  | 217.01  | 2.91  | 36.1  | 5.69 |
| Soil | A | 10/14/2011 | F  | T | 2 | 24 | A | 3.52  | 3.4   | 0.08 | 18.9   | 135.38  | 1.03  | 16.4  | 5.89 |
| Soil | A | 10/14/2011 | F  | T | 2 | 36 | A | 1.96  | 3.3   | 0.07 | 8.04   | 104.49  | 0.52  | 12.7  | 5.95 |
| Soil | A | 10/14/2011 | F  | T | 1 | 12 | A | 7.31  | 4.1   | 0.17 | 116.15 | 219.29  | 3.02  | 3.55  | 5.83 |
| Soil | A | 10/14/2011 | F  | T | 1 | 24 | A | 3.37  | 3.2   | 0.07 | 19.408 | NA      | 0.95  | 24.7  | 5.94 |
| Soil | A | 10/14/2011 | F  | T | 1 | 36 | A | 1.72  | 3.6   | 0.05 | 14.64  | 124.24  | 0.5   | 24.8  | 6.08 |
| Soil | A | 12/7/2011  | F  | T | 1 | 12 | A | 8.16  | 5.4   | 0.24 | 107.79 | 229.18  | 3.49  | 69.6  | 6.48 |
| Soil | A | 12/7/2011  | F  | T | 1 | 24 | A | 4.15  | 4.3   | 0.15 | 51.35  | 175.67  | 1.7   | 69.4  | 6.4  |
| Soil | A | 1/10/2012  | W  | T | 1 | 12 | A | 9.23  | 28.68 | 0.28 | 131    | 158.34  | 4.9   | 93.1  | 6.64 |
| Soil | A | 1/10/2012  | W  | T | 1 | 24 | A | 4.36  | 14.84 | 0.1  | 68     | 188.75  | 1.78  | 62.7  | 6.55 |
| Soil | A | 1/10/2012  | W  | T | 1 | 36 | A | 3.01  | 3.53  | 0.07 | 16     | 125.07  | 0.69  | 45    | 6.78 |
| Soil | A | 2/9/2012   | W  | T | 1 | 12 | A | 11.14 | 7.74  | 0.22 | 106.02 | 203.07  | 3.55  | 43.1  | 6.41 |
| Soil | A | 2/9/2012   | W  | T | 1 | 24 | A | 6.24  | 1.83  | 0.09 | 26.36  | 190.67  | 1.21  | 44.6  | 6.43 |
| Soil | A | 2/9/2012   | W  | T | 1 | 36 | A | 2.61  | 2.13  | 0.06 | 8.11   | 156.72  | 0.54  | 29.9  | 6.65 |
| Soil | A | 3/8/2012   | W  | T | 1 | 12 | A | 14.97 | 0.4   | 0.25 | 142.76 | 247.28  | 3.92  | 53.9  | 6.48 |
| Soil | A | 3/8/2012   | W  | T | 1 | 24 | A | 2.97  | 0.16  | 0.06 | 41.33  | 149.69  | 1.07  | 48.1  | 6.61 |
| Soil | A | 3/8/2012   | W  | T | 1 | 36 | A | 1.78  | 0.28  | 0.08 | 20.41  | 150.92  | 0.93  | 47.9  | 6.63 |
| Soil | A | 4/4/2012   | SP | T | 1 | 12 | A | 49.25 | 1.26  | 0.23 | 145.2  | 308.56  | 3.61  | 104.4 | 6.81 |
| Soil | A | 4/4/2012   | SP | T | 1 | 24 | A | 6.53  | 1.42  | 0.17 | 85.97  | 211.04  | 2.5   | 56.2  | 6.56 |

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|------|---|-----------|----|---|---|----|---|-------|-------|------|--------|--------|------|-------|------|
| Soil | A | 4/4/2012  | SP | T | 1 | 36 | A | 8.93  | 1.13  | 0.11 | 62.96  | 206.89 | 1.75 | 58.3  | 6.69 |
| Soil | A | 5/10/2012 | SP | T | 1 | 12 | A | 2.91  | 0.1   | 0.22 | 140.78 | 264.57 | 3.43 | 21.6  | 6.66 |
| Soil | A | 6/15/2012 | SP | T | 1 | 12 | A | 3.07  | 5.73  | 0.21 | 108.2  | 277.12 | 3.29 | 0.13  | 6.49 |
| Soil | A | 6/15/2012 | SP | T | 1 | 24 | A | 15.18 | 2.55  | 0.13 | 20.09  | 136.34 | 2.09 | 0.09  | 6.85 |
| Soil | A | 6/15/2012 | SP | T | 1 | 36 | A | 1.83  | 1.17  | 0.09 | 14.61  | 157.14 | 1.64 | 0.08  | 6.83 |
| Soil | A | 7/20/2012 | S  | T | 1 | 12 | A | 1.46  | 0.69  | 0.22 | 132.4  | 321.52 | 3.43 | 64.1  | 5.76 |
| Soil | A | 7/20/2012 | S  | T | 1 | 24 | A | 1.52  | 0.42  | 0.07 | 33.58  | 164.83 | 1.31 | 36.8  | 6.21 |
| Soil | A | 7/20/2012 | S  | T | 1 | 36 | A | 1.56  | 0.27  | 0.05 | 19.14  | 107.41 | 0.4  | 35.9  | 6.4  |
| Soil | A | 12/7/2011 | F  | T | 2 | 12 | A | 8.53  | 6.1   | 0.24 | 148.49 | 274.98 | 3.91 | 61.1  | 6.54 |
| Soil | A | 12/7/2011 | F  | T | 2 | 24 | A | 3.24  | 4.2   | 0.12 | 41.76  | 146.63 | 1.25 | 36.2  | 6.39 |
| Soil | A | 1/10/2012 | W  | T | 2 | 12 | A | 4.67  | 19.16 | 0.21 | 140    | 157.58 | 3.8  | 31.5  | 6.47 |
| Soil | A | 1/10/2012 | W  | T | 2 | 24 | A | 5.94  | 10.14 | 0.14 | 66     | 172.67 | 2.13 | 44.4  | 6.29 |
| Soil | A | 1/10/2012 | W  | T | 2 | 36 | A | 3.33  | 5.08  | 0.07 | 19     | 122.98 | 0.74 | 40.6  | 6.41 |
| Soil | A | 2/9/2012  | W  | T | 2 | 12 | A | 2.8   | 7.09  | 0.15 | 134.55 | 151.28 | 1.97 | 60.4  | 6.51 |
| Soil | A | 2/9/2012  | W  | T | 2 | 24 | A | 6.54  | 4.14  | 0.1  | 79.73  | 109.49 | 0.85 | 43.7  | 6.43 |
| Soil | A | 2/9/2012  | W  | T | 2 | 36 | A | 2.57  | 5.97  | 0.07 | 18.05  | 189.3  | 0.81 | 20.8  | 6.54 |
| Soil | A | 3/8/2012  | W  | T | 2 | 12 | A | 11.24 | 1.81  | 0.22 | 138.46 | 215.73 | 3.76 | 106.1 | 6.26 |
| Soil | A | 3/8/2012  | W  | T | 2 | 24 | A | 4.06  | 0.82  | 0.08 | 30.44  | 123.2  | 1.15 | 57    | 6.26 |
| Soil | A | 3/8/2012  | W  | T | 2 | 36 | A | 1.51  | 0.74  | 0.06 | 14.75  | 122.59 | 0.63 | 110.9 | 6.41 |
| Soil | A | 12/7/2011 | F  | T | 3 | 12 | A | 8.42  | 7     | 0.24 | 166.69 | 251.98 | 3.88 | 53.3  | 6.7  |
| Soil | A | 12/7/2011 | F  | T | 3 | 24 | A | 4.37  | 4.8   | 0.14 | 53.4   | 172.47 | 2.08 | 54.2  | 6.38 |
| Soil | A | 1/10/2012 | W  | T | 3 | 12 | A | 3.54  | 3.58  | 0.29 | 142    | 162.69 | 5.12 | 62.5  | 6.47 |
| Soil | A | 1/10/2012 | W  | T | 3 | 24 | A | 5.28  | 13.83 | 0.19 | 71     | 172.12 | 3.13 | 39.8  | 6.33 |
| Soil | A | 1/10/2012 | W  | T | 3 | 36 | A | 3.6   | 5.42  | 0.08 | 18     | 133.21 | 1.09 | 33.4  | 6.89 |
| Soil | A | 2/9/2012  | W  | T | 3 | 12 | A | 9.37  | 5.19  | 0.22 | 142.01 | 208.11 | 3.78 | 55.7  | 6.24 |
| Soil | A | 2/9/2012  | W  | T | 3 | 24 | A | 5.4   | 4.97  | 0.06 | 83.62  | 198.32 | 0.94 | 37.9  | 6.21 |
| Soil | A | 2/9/2012  | W  | T | 3 | 36 | A | 6.83  | 0.97  | 0.35 | 37.38  | 145.71 | 3.35 | 30.3  | 6.35 |
| Soil | A | 3/8/2012  | W  | T | 3 | 12 | A | 10.04 | 1.95  | 0.21 | 149.2  | 256.14 | 3.79 | 158.3 | 6.21 |
| Soil | A | 3/8/2012  | W  | T | 3 | 24 | A | 6.27  | 1.48  | 0.16 | 58.77  | 137.95 | 2.77 | 76.3  | 6.44 |
| Soil | A | 3/8/2012  | W  | T | 3 | 36 | A | 3.62  | 0.08  | 0.08 | 22.12  | 127.41 | 1.05 | 56.9  | 6.27 |

|      |   |           |    |   |   |    |   |        |       |      |        |        |      |       |      |
|------|---|-----------|----|---|---|----|---|--------|-------|------|--------|--------|------|-------|------|
| Soil | A | 4/4/2012  | SP | T | 3 | 12 | A | 18.05  | 1.59  | 0.21 | 170.17 | 365.69 | 3.37 | 114.4 | 6.56 |
| Soil | A | 4/4/2012  | SP | T | 3 | 24 | A | 7.26   | 2.02  | 0.14 | 91.13  | 191.72 | 2.04 | 45.04 | 6.6  |
| Soil | A | 4/4/2012  | SP | T | 3 | 36 | A | 5.3    | 1.4   | 0.12 | 56.39  | 174.06 | 1.6  | 40.9  | 6.89 |
| Soil | A | 5/10/2012 | SP | T | 3 | 12 | A | 1.92   | 0.1   | 0.23 | 150.9  | 255.95 | 3.82 | 23.8  | 6.76 |
| Soil | A | 7/20/2012 | S  | T | 3 | 12 | A | 2.97   | 1.64  | 0.17 | 90.93  | 193.36 | 3.02 | 114.4 | 6.27 |
| Soil | A | 7/20/2012 | S  | T | 3 | 24 | A | 1.03   | 0.54  | 0.09 | 46.75  | 134.26 | 1.05 | 43.2  | 6.61 |
| Soil | A | 7/20/2012 | S  | T | 3 | 36 | A | 1.15   | 0.41  | 0.05 | 15.6   | 152.48 | 0.39 | 69.5  | 6.37 |
| Soil | A | 12/7/2011 | F  | T | 4 | 12 | A | 6.62   | 6.3   | 0.24 | 220.21 | 312.3  | 3.65 | 45.6  | 6.65 |
| Soil | A | 12/7/2011 | F  | T | 4 | 24 | A | 5.15   | 3.8   | 0.17 | 64.14  | 217.3  | 2.25 | 69.1  | 7.09 |
| Soil | A | 1/10/2012 | W  | T | 4 | 12 | A | 5.31   | 15.88 | 0.18 | 176    | 218.11 | 3.27 | 35    | 6.67 |
| Soil | A | 1/10/2012 | W  | T | 4 | 24 | A | 3.63   | 3.95  | 0.09 | 69     | 151.82 | 1.15 | 24.8  | 6.38 |
| Soil | A | 1/10/2012 | W  | T | 4 | 36 | A | 3.6    | 0.59  | 0.08 | 18     | 157.78 | 0.41 | 30    | 6.55 |
| Soil | A | 2/9/2012  | W  | T | 4 | 12 | A | 7.92   | 9.08  | 0.13 | 172.05 | 251.83 | 1.88 | 57.8  | 6.28 |
| Soil | A | 2/9/2012  | W  | T | 4 | 24 | A | 5.49   | 4.65  | 0.07 | 101.52 | 176.37 | 0.5  | 35.7  | 6.04 |
| Soil | A | 2/9/2012  | W  | T | 4 | 36 | A | 3.07   | 3.74  | 0.23 | 16.76  | 125.53 | 3.61 | 13.4  | 6.41 |
| Soil | A | 3/8/2012  | W  | T | 4 | 12 | A | 7.83   | 1.85  | 0.17 | 177.63 | 33.983 | 2.96 | 55.2  | 6.47 |
| Soil | A | 3/8/2012  | W  | T | 4 | 24 | A | 3.3    | 1.55  | 0.11 | 109.75 | 255.27 | 1.78 | 66.7  | 6.23 |
| Soil | A | 3/8/2012  | W  | T | 4 | 36 | A | 1.72   | 0.81  | 0.06 | 37.29  | 165.38 | 0.72 | 72.4  | 6.32 |
| Soil | A | 6/15/2012 | SP | T | 4 | 12 | A | 2.86   | 4.97  | 0.21 | 207.57 | 400.26 | 3.51 | 0.12  | 6.31 |
| Soil | A | 6/15/2012 | SP | T | 4 | 24 | A | 2.89   | 4.12  | 0.14 | 88.36  | 255.03 | 2.15 | 0.98  | 6.39 |
| Soil | A | 6/15/2012 | SP | T | 4 | 36 | A | 158.76 | 1.26  | 0.07 | 27.16  | 181.4  | 0.77 | 0.07  | 6.6  |
| Soil | A | 12/7/2011 | F  | T | 5 | 12 | A | 5.52   | 4.5   | 0.2  | 413.82 | 349.49 | 2.88 | 50.4  | 6.49 |
| Soil | A | 12/7/2011 | F  | T | 5 | 24 | A | 3.35   | 3.8   | 0.11 | 101.2  | 249.43 | 1.19 | 41.9  | 6.51 |
| Soil | A | 1/10/2012 | W  | T | 5 | 12 | A | 4.75   | 13.7  | 0.19 | 355    | 371.14 | 3.49 | 56.7  | 6.38 |
| Soil | A | 1/10/2012 | W  | T | 5 | 24 | A | 4.39   | 10.28 | 0.11 | 157    | 230.95 | 2.07 | 32.2  | 6.36 |
| Soil | A | 1/10/2012 | W  | T | 5 | 36 | A | 2.74   | 3.03  | 0.07 | 21     | 138.24 | 0.75 | 32    | 6.46 |
| Soil | A | 2/9/2012  | W  | T | 5 | 12 | A | 6.96   | 9.32  | 0.09 | 132.75 | 245.41 | 1.17 | 53    | 6    |
| Soil | A | 2/9/2012  | W  | T | 5 | 24 | A | 3.77   | 4.93  | 0.1  | 93.17  | 156.92 | 1.19 | 29.9  | 6.08 |
| Soil | A | 2/9/2012  | W  | T | 5 | 36 | A | 2.49   | 3.57  | 0.21 | 15.06  | 73.27  | 3.51 | 27.3  | 6.43 |
| Soil | A | 3/8/2012  | W  | T | 5 | 12 | A | 6.48   | 1.07  | 0.18 | 249.22 | 438.9  | 3.29 | 119   | 6.03 |

|               |             |             |               |             |            |              |            |            |            |           |           |           |           |           |           |
|---------------|-------------|-------------|---------------|-------------|------------|--------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Soil          | A           | 3/8/2012    | W             | T           | 5          | 24           | A          | 3.96       | 0.77       | 0.1       | 178.82    | 328.55    | 1.49      | 70.3      | 6.27      |
| Soil          | A           | 3/8/2012    | W             | T           | 5          | 36           | A          | 1.52       | 0.73       | 0.07      | 21.87     | 135.25    | 0.81      | 61.7      | 6.46      |
| Soil          | A           | 12/7/2011   | F             | T           | 6          | 12           | A          | 6.67       | 5.8        | 0.18      | 374.57    | 307.99    | 2.54      | 47.2      | 6.69      |
| Soil          | A           | 12/7/2011   | F             | T           | 6          | 24           | A          | 3.47       | 3.6        | 0.12      | 34.41     | 148.67    | 1.39      | 56.2      | 6.38      |
| Soil          | A           | 1/10/2012   | W             | T           | 6          | 12           | A          | 4.66       | 1.72       | 0.18      | 292       | 362.85    | 3.1       | 34.9      | 6.47      |
| Soil          | A           | 1/10/2012   | W             | T           | 6          | 24           | A          | 3.95       | 5.79       | 0.09      | 89        | 210.28    | 1.47      | 26.3      | 6.42      |
| Soil          | A           | 1/10/2012   | W             | T           | 6          | 36           | A          | 3.89       | 1.44       | 0.07      | 34        | 135.58    | 0.92      | 25        | 6.62      |
| Soil          | A           | 2/9/2012    | W             | T           | 6          | 12           | A          | 2.51       | 4.76       | 0.11      | 97.6      | 208.44    | 2.83      | 42.6      | 6.28      |
| Soil          | A           | 2/9/2012    | W             | T           | 6          | 24           | A          | 2.84       | 2.33       | 0.18      | 69.67     | 164.34    | 2.87      | 41.2      | 6.22      |
| Soil          | A           | 2/9/2012    | W             | T           | 6          | 36           | A          | 8.52       | 3.82       | 0.18      | 30.42     | 65.35     | 3.34      | 31.4      | 6.28      |
| Soil          | A           | 3/8/2012    | W             | T           | 6          | 12           | A          | 7.24       | 2.36       | 0.16      | 192.24    | 371.68    | 2.78      | 84.4      | 6.33      |
| Soil          | A           | 3/8/2012    | W             | T           | 6          | 24           | A          | 3.6        | 0.52       | 0.08      | 60.4      | 200.59    | 1.25      | 65.2      | 6.62      |
| Soil          | A           | 3/8/2012    | W             | T           | 6          | 36           | A          | 1.98       | 0.05       | 0.08      | 28.13     | 108.32    | 1.06      | 51.5      | 6.39      |
| Soil          | A           | 4/4/2012    | SP            | T           | 6          | 12           | A          | 7.35       | 1.35       | 0.18      | 322.62    | 462.16    | 3.02      | 72.9      | 6.56      |
| Soil          | A           | 4/4/2012    | SP            | T           | 6          | 24           | A          | 5.6        | 1.16       | 0.12      | 128.2     | 350.34    | 5.67      | 48.3      | 6.33      |
| Soil          | A           | 4/4/2012    | SP            | T           | 6          | 36           | A          | 3.37       | 0.95       | 0.09      | 38.75     | 152.57    | 1.91      | 38.4      | 6.51      |
| Soil          | A           | 5/10/2012   | SP            | T           | 6          | 12           | A          | 2.96       | 0.55       | 0.16      | 385.13    | 547.32    | 2.62      | 14.4      | 6.44      |
| Soil          | A           | 6/15/2012   | SP            | T           | 6          | 12           | A          | 3.38       | 4.13       | 0.14      | 386.05    | 567.21    | 2.64      | 0.14      | 6.34      |
| Soil          | A           | 6/15/2012   | SP            | T           | 6          | 24           | A          | 2.17       | 2.44       | 0.1       | 190.19    | 378.32    | 1.66      | 0.08      | 6.45      |
| Soil          | A           | 6/15/2012   | SP            | T           | 6          | 36           | A          | 2.44       | 1.8        | 0.09      | 36.95     | 164.02    | 1.11      | 0.08      | 6.4       |
| Soil          | A           | 7/20/2012   | S             | T           | 6          | 12           | A          | 5.59       | 1.49       | 0.17      | 373.22    | 539.6     | 2.72      | 64.1      | 6.2       |
| Soil          | A           | 7/20/2012   | S             | T           | 6          | 24           | A          | 12.79      | 0.63       | 0.07      | 33.29     | 166.25    | 1.01      | 54.2      | 6.15      |
| Soil          | A           | 7/20/2012   | S             | T           | 6          | 36           | A          | 9.94       | 0.43       | 0.09      | 12.79     | 58.29     | 1.06      | 50.3      | 6.43      |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Plot</b> | <b>Loc</b> | <b>Depth</b> | <b>Trt</b> | <b>NH3</b> | <b>NO3</b> | <b>TN</b> | <b>P1</b> | <b>P2</b> | <b>OM</b> | <b>EC</b> | <b>pH</b> |
| Soil          | B           | 10/6/2011   | F             | T           | 1          | 12           | A          | 25.65      | 5.60       | 0.22      | 124.6     | 192.4     | 6.28      | 0.024     | 6.61      |
| Soil          | B           | 10/6/2011   | F             | T           | 2          | 12           | A          | 35.30      | 5.20       | 0.35      | 116.8     | 198.3     | 8.96      | 0.029     | 6.87      |
| Soil          | B           | 10/6/2011   | F             | T           | 3          | 12           | A          | 33.60      | 4.80       | 0.23      | 328.2     | 292.2     | 6.43      | 0.031     | 6.73      |
| Soil          | B           | 10/6/2011   | F             | T           | 4          | 12           | A          | 16.80      | 7.70       | 0.31      | 234.2     | 307.4     | 7.86      | 0.040     | 6.76      |
| Soil          | B           | 10/6/2011   | F             | T           | 5          | 12           | A          | 8.00       | 5.60       | 0.32      | 169.5     | 233.5     | 7.89      | 0.030     | 6.81      |
| Soil          | B           | 10/6/2011   | F             | T           | 6          | 12           | A          | 13.48      | 3.90       | 0.46      | 253.0     | 402.6     | 8.36      | 0.021     | 6.70      |

|      |   |           |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 10/6/2011 | F | C | 1 | 12 | S | 17.57 | 11.30 | 0.39 | 489.6 | 665.3 | 8.93 | 0.031 | 6.94 |
| Soil | B | 10/6/2011 | F | C | 2 | 12 | S | 7.34  | 6.90  | 0.04 | 84.0  | 178.4 | 1.91 | 0.042 | 6.81 |
| Soil | B | 10/6/2011 | F | C | 3 | 12 | S | 13.24 | 8.00  | 0.28 | 400.5 | 424.4 | 6.72 | 0.023 | 6.78 |
| Soil | B | 10/6/2011 | F | C | 4 | 12 | S | 7.21  | 4.00  | 0.16 | 199.2 | 241.0 | 4.03 | 0.026 | 6.80 |
| Soil | B | 10/6/2011 | F | C | 5 | 12 | S | 9.49  | 6.50  | 0.23 | 212.1 | 346.4 | 5.45 | 0.066 | 6.67 |
| Soil | B | 10/6/2011 | F | C | 6 | 12 | S | 1.18  | 7.90  | 0.16 | 233.1 | 332.3 | 4.24 | 0.009 | 7.26 |
| Soil | B | 10/6/2011 | F | T | 1 | 24 | A | 4.16  | 5.60  | 0.16 | 4.2   | 5.8   | 6.36 | 0.037 | 6.34 |
| Soil | B | 10/6/2011 | F | T | 2 | 24 | A | 6.86  | 3.40  | 0.06 | 9.3   | 22.8  | 3.02 | 0.032 | 6.42 |
| Soil | B | 10/6/2011 | F | T | 3 | 24 | A | 2.89  | 3.40  | 0.05 | 31.2  | 39.7  | 2.83 | 0.024 | 6.95 |
| Soil | B | 10/6/2011 | F | T | 4 | 24 | A | 2.98  | 3.50  | 0.12 | 10.5  | 27.5  | 6.65 | 0.032 | 6.57 |
| Soil | B | 10/6/2011 | F | T | 5 | 24 | A | 3.69  | 3.80  | 0.10 | 7.0   | 32.6  | 3.62 | 0.032 | 6.74 |
| Soil | B | 10/6/2011 | F | T | 6 | 24 | A | 2.75  | 3.80  | 0.09 | 53.0  | 183.2 | 3.03 | 0.028 | 6.88 |
| Soil | B | 10/6/2011 | F | C | 1 | 24 | S | 4.09  | 6.60  | 0.13 | 210.2 | 267.9 | 3.50 | 0.025 | 6.84 |
| Soil | B | 10/6/2011 | F | C | 2 | 24 | S | 2.69  | 3.70  | 0.05 | 28.0  | 122.6 | 2.19 | 0.027 | 6.95 |
| Soil | B | 10/6/2011 | F | C | 3 | 24 | S | 2.69  | 4.20  | 0.04 | 132.0 | 191.9 | 1.84 | 0.060 | 6.63 |
| Soil | B | 10/6/2011 | F | C | 4 | 24 | S | 1.88  | 3.20  | 0.05 | 94.9  | 172.8 | 1.83 | 0.018 | 6.91 |
| Soil | B | 10/6/2011 | F | C | 5 | 24 | S | 3.16  | 3.80  | 0.05 | 127.5 | 180.5 | 2.12 | 0.028 | 6.88 |
| Soil | B | 10/6/2011 | F | C | 6 | 24 | S | 3.52  | 3.60  | 0.11 | 156.9 | 253.0 | 3.34 | 0.020 | 7.00 |
| Soil | B | 10/6/2011 | F | T | 1 | 36 | A | 3.18  | 3.30  | 0.06 | 2.8   | 15.8  | 2.81 | 0.015 | 6.30 |
| Soil | B | 10/6/2011 | F | T | 2 | 36 | A | 2.03  | 6.20  | 0.03 | 9.0   | 29.8  | 2.31 | 0.013 | 6.54 |
| Soil | B | 10/6/2011 | F | T | 3 | 36 | A | 1.75  | 2.90  | 0.01 | 16.0  | 81.2  | 1.02 | 0.011 | 6.75 |
| Soil | B | 10/6/2011 | F | T | 4 | 36 | A | 1.50  | 3.20  | 0.04 | 16.7  | 60.6  | 2.00 | 0.022 | 6.67 |
| Soil | B | 10/6/2011 | F | T | 5 | 36 | A | 2.02  | 3.50  | 0.05 | 4.0   | 30.8  | 2.10 | 0.019 | 6.73 |
| Soil | B | 10/6/2011 | F | T | 6 | 36 | A | 1.61  | 3.20  | 0.08 | 17.0  | 60.8  | 5.33 | 0.025 | 6.82 |
| Soil | B | 10/6/2011 | F | C | 1 | 36 | S | 5.07  | 3.90  | 0.31 | 25.4  | 418.7 | 7.22 | 0.038 | 6.83 |
| Soil | B | 10/6/2011 | F | C | 2 | 36 | S | 1.79  | 3.50  | 0.01 | 51.0  | 83.7  | 0.88 | 0.006 | 6.67 |
| Soil | B | 10/6/2011 | F | C | 3 | 36 | S | 1.50  | 3.60  | 0.01 | 90.8  | 145.2 | 0.50 | 0.006 | 6.80 |
| Soil | B | 10/6/2011 | F | C | 4 | 36 | S | 1.05  | 3.30  | 0.01 | 76.8  | 101.0 | 0.64 | 0.008 | 7.12 |
| Soil | B | 10/6/2011 | F | C | 5 | 36 | S | 2.46  | 3.30  | 0.24 | 256.0 | 402.1 | 5.93 | 0.041 | 6.71 |
| Soil | B | 10/6/2011 | F | C | 6 | 36 | S | 10.24 | 3.30  | 0.03 | 105.0 | 103.1 | 0.97 | 0.016 | 6.79 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 12/8/2011 | F | T | 1 | 12 | A | 12.66 | 10.80 | 0.37 | 375.0 | 166.6 | 7.36  | 0.041 | 6.32 |
| Soil | B | 12/8/2011 | F | T | 2 | 12 | A | 10.51 | 5.80  | 0.40 | 414.0 | 221.7 | 7.54  | 0.048 | 6.39 |
| Soil | B | 12/8/2011 | F | T | 3 | 12 | A | 11.26 | 13.90 | 0.43 | 220.0 | 302.5 | 8.72  | 0.059 | 6.14 |
| Soil | B | 12/8/2011 | F | T | 4 | 12 | A | 15.42 | 10.70 | 0.51 | 167.0 | 334.7 | 12.20 | 0.071 | 6.37 |
| Soil | B | 12/8/2011 | F | T | 5 | 12 | A | 11.49 | 9.20  | 0.35 | 148.0 | 242.7 | 6.41  | 0.072 | 6.51 |
| Soil | B | 12/8/2011 | F | T | 6 | 12 | A | 11.35 | 10.20 | 0.36 | 108.0 | 392.2 | 7.12  | 0.075 | 6.80 |
| Soil | B | 12/8/2011 | F | C | 1 | 12 | S | 10.77 | 10.60 | 0.43 | 165.0 | 560.5 | 7.53  | 0.109 | 6.55 |
| Soil | B | 12/8/2011 | F | C | 2 | 12 | S | 11.04 | 8.20  | 0.29 | 145.0 | 412.9 | 5.04  | 0.067 | 6.66 |
| Soil | B | 12/8/2011 | F | C | 3 | 12 | S | 3.54  | 17.54 | 0.38 | 250.0 | 501.1 | 6.84  | 0.169 | 6.17 |
| Soil | B | 12/8/2011 | F | C | 4 | 12 | S | 11.22 | 14.20 | 0.31 | 201.0 | 456.9 | 5.73  | 0.055 | 6.53 |
| Soil | B | 12/8/2011 | F | C | 5 | 12 | S | 8.36  | 11.00 | 0.39 | 136.0 | 445.2 | 7.35  | 0.065 | 6.45 |
| Soil | B | 12/8/2011 | F | C | 6 | 12 | S | 11.82 | 18.00 | 0.39 | 316.0 | 512.1 | 7.58  | 0.057 | 6.37 |
| Soil | B | 12/8/2011 | F | T | 1 | 24 | A | 5.93  | 5.60  | 0.21 | 34.0  | 28.3  | 4.25  | 0.049 | 6.39 |
| Soil | B | 12/8/2011 | F | T | 2 | 24 | A | 6.89  | 12.10 | 0.22 | 101.0 | 43.7  | 3.82  | 0.043 | 6.04 |
| Soil | B | 12/8/2011 | F | T | 3 | 24 | A | 5.09  | 11.60 | 0.19 | 64.0  | 93.1  | 3.20  | 0.044 | 6.47 |
| Soil | B | 12/8/2011 | F | T | 4 | 24 | A | 9.06  | 15.30 | 0.25 | 53.0  | 43.4  | 4.52  | 0.056 | 6.32 |
| Soil | B | 12/8/2011 | F | T | 5 | 24 | A | 8.29  | 19.10 | 0.38 | 42.0  | 75.1  | 7.91  | 0.124 | 6.23 |
| Soil | B | 12/8/2011 | F | T | 6 | 24 | A | 5.34  | 10.50 | 0.19 | 51.0  | 250.0 | 3.95  | 0.059 | 6.54 |
| Soil | B | 12/8/2011 | F | C | 1 | 24 | S | 9.62  | 13.90 | 0.26 | 18.0  | 383.8 | 4.49  | 0.072 | 6.45 |
| Soil | B | 12/8/2011 | F | C | 2 | 24 | S | 6.03  | 10.40 | 0.15 | 51.0  | 126.0 | 2.25  | 0.059 | 6.44 |
| Soil | B | 12/8/2011 | F | C | 3 | 24 | S | 6.62  | 22.20 | 0.22 | 84.0  | 233.8 | 4.32  | 0.083 | 6.43 |
| Soil | B | 12/8/2011 | F | C | 4 | 24 | S | 5.98  | 10.70 | 0.23 | 30.0  | 241.9 | 3.23  | 0.054 | 6.50 |
| Soil | B | 12/8/2011 | F | C | 5 | 24 | S | 5.28  | 8.80  | 0.20 | 34.0  | 217.1 | 2.46  | 0.055 | 6.40 |
| Soil | B | 12/8/2011 | F | C | 6 | 24 | S | 6.04  | 11.90 | 0.20 | 50.0  | 140.4 | 3.48  | 0.074 | 6.35 |
| Soil | B | 1/10/2012 | W | T | 1 | 12 | A | 6.44  | 7.46  | 0.47 | 59.0  | 136.5 | 9.62  | 0.062 | 6.18 |
| Soil | B | 1/10/2012 | W | T | 2 | 12 | A | 6.11  | 5.26  | 0.33 | 68.0  | 174.6 | 7.24  | 0.075 | 6.11 |
| Soil | B | 1/10/2012 | W | T | 3 | 12 | A | 5.98  | 9.79  | 0.40 | 157.0 | 313.3 | 7.91  | 0.072 | 6.28 |
| Soil | B | 1/10/2012 | W | T | 4 | 12 | A | 5.23  | 6.85  | 0.54 | 105.0 | 268.3 | 11.32 | 0.105 | 6.23 |
| Soil | B | 1/10/2012 | W | T | 5 | 12 | A | 6.53  | 6.01  | 0.35 | 95.0  | 247.4 | 6.89  | 0.103 | 6.51 |
| Soil | B | 1/10/2012 | W | T | 6 | 12 | A | 6.02  | 4.73  | 0.33 | 192.0 | 343.3 | 6.86  | 0.111 | 6.43 |

|      |   |           |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | B | 1/10/2012 | W | C | 1 | 12 | S | 6.83 | 7.42  | 0.39 | 199.0 | 483.2 | 7.92 | 0.065 | 6.48 |
| Soil | B | 1/10/2012 | W | C | 2 | 12 | S | 8.50 | 4.54  | 0.31 | 161.0 | 348.4 | 5.95 | 0.062 | 6.78 |
| Soil | B | 1/10/2012 | W | C | 3 | 12 | S | 9.30 | 13.01 | 0.07 | 188.0 | 458.3 | 1.30 | 0.035 | 6.60 |
| Soil | B | 1/10/2012 | W | C | 4 | 12 | S | 7.96 | 7.98  | 0.10 | 202.0 | 458.9 | 1.51 | 0.060 | 6.63 |
| Soil | B | 1/10/2012 | W | C | 5 | 12 | S | 4.91 | 8.58  | 0.36 | 186.0 | 422.8 | 7.55 | 0.107 | 6.36 |
| Soil | B | 1/10/2012 | W | C | 6 | 12 | S | 6.07 | 8.18  | 0.28 | 175.0 | 491.9 | 6.60 | 0.070 | 6.40 |
| Soil | B | 1/10/2012 | W | T | 1 | 24 | A | 3.72 | 10.19 | 0.27 | 4.5   | 23.5  | 5.48 | 0.064 | 5.81 |
| Soil | B | 1/10/2012 | W | T | 2 | 24 | A | 6.23 | 9.06  | 0.21 | 15.0  | 66.1  | 4.34 | 0.059 | 6.02 |
| Soil | B | 1/10/2012 | W | T | 3 | 24 | A | 4.30 | 13.09 | 0.17 | 28.0  | 96.5  | 3.23 | 0.091 | 6.26 |
| Soil | B | 1/10/2012 | W | T | 4 | 24 | A | 3.11 | 8.16  | 0.19 | 17.0  | 78.8  | 3.94 | 0.104 | 6.14 |
| Soil | B | 1/10/2012 | W | T | 5 | 24 | A | 4.29 | 6.47  | 0.23 | 34.0  | 76.3  | 5.12 | 0.062 | 6.40 |
| Soil | B | 1/10/2012 | W | T | 6 | 24 | A | 2.73 | 6.66  | 0.13 | 43.0  | 150.2 | 2.56 | 0.058 | 6.52 |
| Soil | B | 1/10/2012 | W | C | 1 | 24 | S | 6.51 | 14.08 | 0.35 | 90.0  | 263.8 | 7.66 | 0.099 | 6.11 |
| Soil | B | 1/10/2012 | W | C | 2 | 24 | S | 4.00 | 3.07  | 0.17 | 61.0  | 131.6 | 3.49 | 0.045 | 6.54 |
| Soil | B | 1/10/2012 | W | C | 3 | 24 | S | 5.62 | 9.21  | 0.17 | 70.0  | 195.3 | 3.24 | 0.064 | 6.50 |
| Soil | B | 1/10/2012 | W | C | 4 | 24 | S | 3.50 | 13.89 | 0.18 | 62.0  | 162.1 | 4.56 | 0.070 | 6.35 |
| Soil | B | 1/10/2012 | W | C | 5 | 24 | S | 3.08 | 24.62 | 0.19 | 23.0  | 117.7 | 3.81 | 0.120 | 6.19 |
| Soil | B | 1/10/2012 | W | C | 6 | 24 | S | 3.84 | 10.60 | 0.24 | 77.0  | 180.6 | 3.99 | 0.074 | 6.26 |
| Soil | B | 1/10/2012 | W | T | 1 | 36 | A | 3.16 | 7.98  | 0.12 | 6.1   | 44.2  | 2.15 | 0.044 | 5.77 |
| Soil | B | 1/10/2012 | W | T | 2 | 36 | A | 4.13 | 4.52  | 0.11 | 12.0  | 52.6  | 2.03 | 0.042 | 6.04 |
| Soil | B | 1/10/2012 | W | T | 3 | 36 | A | 2.30 | 9.54  | 0.10 | 13.0  | 63.6  | 1.62 | 0.080 | 6.30 |
| Soil | B | 1/10/2012 | W | T | 4 | 36 | A | 3.36 | 6.62  | 0.12 | 12.0  | 51.2  | 2.31 | 0.069 | 6.24 |
| Soil | B | 1/10/2012 | W | T | 5 | 36 | A | 3.24 | 16.14 | 0.13 | 6.0   | 12.0  | 3.15 | 0.095 | 6.26 |
| Soil | B | 1/10/2012 | W | T | 6 | 36 | A | 6.62 | 11.69 | 0.09 | 25.0  | 107.2 | 1.40 | 0.097 | 6.32 |
| Soil | B | 1/10/2012 | W | C | 1 | 36 | S | 5.11 | 6.95  | 0.13 | 148.0 | 152.0 | 2.22 | 0.044 | 6.41 |
| Soil | B | 1/10/2012 | W | C | 2 | 36 | S | 2.27 | 2.77  | 0.11 | 53.0  | 165.9 | 1.69 | 0.034 | 6.60 |
| Soil | B | 1/10/2012 | W | C | 3 | 36 | S | 3.69 | 9.10  | 0.07 | 43.0  | 155.8 | 1.36 | 0.057 | 6.60 |
| Soil | B | 1/10/2012 | W | C | 4 | 36 | S | 3.28 | 5.93  | 0.08 | 41.0  | 159.4 | 1.65 | 0.050 | 6.63 |
| Soil | B | 1/10/2012 | W | C | 5 | 36 | S | 3.13 | 11.04 | 0.11 | 63.0  | 106.4 | 1.53 | 0.051 | 6.47 |
| Soil | B | 1/10/2012 | W | C | 6 | 36 | S | 2.11 | 6.56  | 0.12 | 62.0  | 165.3 | 1.35 | 0.032 | 6.46 |

|      |   |          |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 2/6/2012 | W | T | 1 | 12 | A | 16.46 | 3.61  | 0.45 | 78.6  | 202.5 | 9.08 | 0.067 | 5.91 |
| Soil | B | 2/6/2012 | W | T | 2 | 12 | A | 14.23 | 3.29  | 0.42 | 107.3 | 304.9 | 8.40 | 0.109 | 5.92 |
| Soil | B | 2/6/2012 | W | T | 3 | 12 | A | 15.52 | 3.77  | 0.41 | 141.0 | 376.5 | 8.56 | 0.104 | 6.27 |
| Soil | B | 2/6/2012 | W | T | 4 | 12 | A | 15.82 | 4.64  | 0.47 | 145.8 | 412.4 | 9.23 | 0.070 | 6.07 |
| Soil | B | 2/6/2012 | W | T | 5 | 12 | A | 9.91  | 2.96  | 0.28 | 101.1 | 316.7 | 5.23 | 0.070 | 6.69 |
| Soil | B | 2/6/2012 | W | T | 6 | 12 | A | 12.67 | 2.95  | 0.38 | 217.2 | 513.4 | 7.79 | 0.072 | 6.28 |
| Soil | B | 2/6/2012 | W | C | 1 | 12 | S | 11.91 | 2.99  | 0.30 | 294.2 | 609.9 | 6.60 | 0.064 | 6.24 |
| Soil | B | 2/6/2012 | W | C | 2 | 12 | S | 13.53 | 3.18  | 0.34 | 159.0 | 415.3 | 6.65 | 0.142 | 6.96 |
| Soil | B | 2/6/2012 | W | C | 3 | 12 | S | 17.28 | 4.97  | 0.33 | 305.8 | 551.4 | 6.60 | 0.134 | 6.46 |
| Soil | B | 2/6/2012 | W | C | 4 | 12 | S | 13.11 | 13.39 | 0.33 | 208.5 | 564.6 | 6.15 | 0.104 | 6.51 |
| Soil | B | 2/6/2012 | W | C | 5 | 12 | S | 14.15 | 2.33  | 0.29 | 192.3 | 487.1 | 5.87 | 0.097 | 6.42 |
| Soil | B | 2/6/2012 | W | C | 6 | 12 | S | 13.71 | 2.38  | 0.27 | 278.2 | 572.7 | 5.45 | 0.120 | 6.24 |
| Soil | B | 2/6/2012 | W | T | 1 | 24 | A | 9.58  | 6.56  | 0.27 | 8.7   | 41.3  | 7.06 | 0.086 | 5.19 |
| Soil | B | 2/6/2012 | W | T | 2 | 24 | A | 9.25  | 3.35  | 0.20 | 21.3  | 67.8  | 4.43 | 0.064 | 6.04 |
| Soil | B | 2/6/2012 | W | T | 3 | 24 | A | 11.77 | 2.24  | 0.26 | 36.2  | 106.7 | 5.38 | 0.088 | 5.97 |
| Soil | B | 2/6/2012 | W | T | 4 | 24 | A | 12.61 | 3.98  | 0.34 | 28.5  | 83.7  | 7.15 | 0.078 | 6.14 |
| Soil | B | 2/6/2012 | W | T | 5 | 24 | A | 11.46 | 4.48  | 0.28 | 43.0  | 143.7 | 5.47 | 0.085 | 6.19 |
| Soil | B | 2/6/2012 | W | T | 6 | 24 | A | 6.97  | 2.61  | 0.22 | 170.8 | 351.2 | 4.41 | 0.065 | 6.35 |
| Soil | B | 2/6/2012 | W | C | 1 | 24 | S | 10.04 | 3.70  | 0.25 | 252.1 | 486.0 | 4.66 | 0.091 | 6.12 |
| Soil | B | 2/6/2012 | W | C | 2 | 24 | S | 6.66  | 2.17  | 0.21 | 50.1  | 152.1 | 3.97 | 0.085 | 6.33 |
| Soil | B | 2/6/2012 | W | C | 3 | 24 | S | 10.25 | 3.13  | 0.22 | 126.6 | 348.2 | 3.83 | 0.087 | 6.50 |
| Soil | B | 2/6/2012 | W | C | 4 | 24 | S | 8.67  | 2.91  | 0.17 | 84.4  | 307.0 | 2.98 | 0.067 | 6.48 |
| Soil | B | 2/6/2012 | W | C | 5 | 24 | S | 12.29 | 6.09  | 0.20 | 53.9  | 313.2 | 4.27 | 0.087 | 6.13 |
| Soil | B | 2/6/2012 | W | C | 6 | 24 | S | 8.88  | 3.08  | 0.16 | 65.7  | 287.7 | 3.08 | 0.078 | 6.25 |
| Soil | B | 2/6/2012 | W | T | 1 | 36 | A | 6.42  | 5.01  | 0.12 | 3.2   | 45.0  | 3.20 | 0.071 | 5.49 |
| Soil | B | 2/6/2012 | W | T | 2 | 36 | A | 7.27  | 4.28  | 0.09 | 15.4  | 69.6  | 2.28 | 0.041 | 6.16 |
| Soil | B | 2/6/2012 | W | T | 3 | 36 | A | 5.67  | 1.54  | 0.25 | 13.5  | 49.8  | 2.72 | 0.046 | 6.15 |
| Soil | B | 2/6/2012 | W | T | 4 | 36 | A | 5.34  | 2.78  | 0.14 | 7.5   | 43.3  | 2.96 | 0.041 | 6.27 |
| Soil | B | 2/6/2012 | W | T | 5 | 36 | A | 7.95  | 7.28  | 0.20 | 3.7   | 29.2  | 5.04 | 0.083 | 6.01 |
| Soil | B | 2/6/2012 | W | T | 6 | 36 | A | 2.95  | 1.97  | 0.11 | 71.2  | 88.3  | 3.52 | 0.051 | 6.41 |

|      |   |           |   |   |   |    |   |       |      |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|-------|------|------|-------|-------|-------|-------|------|
| Soil | B | 2/6/2012  | W | C | 1 | 36 | S | 4.70  | 1.49 | 0.10 | 124.0 | 186.6 | 1.83  | 0.048 | 6.44 |
| Soil | B | 2/6/2012  | W | C | 2 | 36 | S | 3.57  | 2.78 | 0.08 | 61.7  | 117.8 | 1.39  | 0.034 | 6.38 |
| Soil | B | 2/6/2012  | W | C | 3 | 36 | S | 4.74  | 3.31 | 0.12 | 58.4  | 185.1 | 2.15  | 0.069 | 6.58 |
| Soil | B | 2/6/2012  | W | C | 4 | 36 | S | 5.14  | 2.75 | 0.11 | 29.9  | 134.6 | 1.76  | 0.053 | 6.61 |
| Soil | B | 2/6/2012  | W | C | 5 | 36 | S | 5.33  | 4.11 | 0.09 | 25.1  | 88.9  | 1.48  | 0.058 | 6.33 |
| Soil | B | 2/6/2012  | W | C | 6 | 36 | S | 6.00  | 3.37 | 0.14 | 25.6  | 127.1 | 5.74  | 0.040 | 6.23 |
| Soil | B | 2/27/2012 | W | T | 1 | 12 | A | 12.77 | 8.19 | 0.40 | 151.6 | 169.0 | 7.81  | 0.085 | 5.91 |
| Soil | B | 2/27/2012 | W | T | 2 | 12 | A | 13.29 | 3.68 | 0.36 | 128.5 | 288.4 | 7.60  | 0.073 | 6.11 |
| Soil | B | 2/27/2012 | W | T | 3 | 12 | A | 10.40 | 1.36 | 0.32 | 165.3 | 218.9 | 6.26  | 0.047 | 5.94 |
| Soil | B | 2/27/2012 | W | T | 4 | 12 | A | 11.47 | 4.83 | 0.35 | 107.3 | 267.4 | 6.36  | 0.073 | 6.21 |
| Soil | B | 2/27/2012 | W | T | 5 | 12 | A | 9.05  | 3.23 | 0.38 | 121.4 | 264.5 | 7.10  | 0.125 | 6.43 |
| Soil | B | 2/27/2012 | W | T | 6 | 12 | A | 8.82  | 3.79 | 0.26 | 126.6 | 347.2 | 5.10  | 0.089 | 6.36 |
| Soil | B | 2/27/2012 | W | C | 1 | 12 | S | 25.50 | 2.92 | 0.18 | 191.5 | 236.7 | 2.83  | 0.092 | 5.53 |
| Soil | B | 2/27/2012 | W | C | 2 | 12 | S | 23.19 | 1.61 | 0.38 | 209.9 | 354.8 | 8.40  | 0.067 | 5.92 |
| Soil | B | 2/27/2012 | W | C | 3 | 12 | S | 23.90 | 1.97 | 0.49 | 255.2 | 468.9 | 9.20  | 0.082 | 5.92 |
| Soil | B | 2/27/2012 | W | C | 4 | 12 | S | 24.16 | 3.61 | 0.23 | 156.5 | 166.9 | 3.58  | 0.095 | 5.69 |
| Soil | B | 2/27/2012 | W | C | 5 | 12 | S | 20.88 | 2.96 | 0.57 | 197.6 | 487.8 | 10.44 | 0.075 | 6.04 |
| Soil | B | 2/27/2012 | W | C | 6 | 12 | S | 18.88 | 2.07 | 0.35 | 260.7 | 484.8 | 8.05  | 0.066 | 6.38 |
| Soil | B | 2/27/2012 | W | T | 1 | 24 | A | 6.42  | 3.47 | 0.20 | 8.3   | 23.6  | 4.29  | 0.045 | 5.80 |
| Soil | B | 2/27/2012 | W | T | 2 | 24 | A | 6.52  | 3.61 | 0.19 | 28.7  | 87.5  | 4.16  | 0.080 | 6.14 |
| Soil | B | 2/27/2012 | W | T | 3 | 24 | A | 5.89  | 1.87 | 0.29 | 37.7  | 23.2  | 5.03  | 0.069 | 5.86 |
| Soil | B | 2/27/2012 | W | T | 4 | 24 | A | 5.32  | 2.75 | 0.19 | 4.4   | 11.6  | 3.45  | 0.079 | 5.97 |
| Soil | B | 2/27/2012 | W | T | 5 | 24 | A | 5.57  | 2.71 | 0.29 | 32.9  | 73.0  | 6.38  | 0.091 | 6.17 |
| Soil | B | 2/27/2012 | W | T | 6 | 24 | A | 5.11  | 2.75 | 0.18 | 29.3  | 129.1 | 3.71  | 0.063 | 6.27 |
| Soil | B | 2/27/2012 | W | C | 1 | 24 | S | 24.44 | 2.01 | 0.30 | 75.2  | 148.5 | 5.66  | 0.104 | 5.66 |
| Soil | B | 2/27/2012 | W | C | 2 | 24 | S | 21.97 | 1.72 | 0.50 | 182.5 | 476.6 | 9.38  | 0.138 | 5.85 |
| Soil | B | 2/27/2012 | W | C | 3 | 24 | S | 25.39 | 2.10 | 0.37 | 187.7 | 497.1 | 6.33  | 0.136 | 5.96 |
| Soil | B | 2/27/2012 | W | C | 4 | 24 | S | 19.74 | 2.90 | 0.25 | 107.5 | 164.9 | 4.35  | 0.080 | 6.19 |
| Soil | B | 2/27/2012 | W | C | 5 | 24 | S | 24.36 | 1.08 | 0.20 | 73.4  | 170.7 | 3.00  | 0.051 | 5.96 |
| Soil | B | 2/27/2012 | W | C | 6 | 24 | S | 8.74  | 1.12 | 0.28 | 106.9 | 278.8 | 5.03  | 0.098 | 6.35 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 2/27/2012 | W  | T | 1 | 36 | A | 5.67  | 2.23  | 0.17 | 10.4  | 38.3  | 2.21 | 0.058 | 5.78 |
| Soil | B | 2/27/2012 | W  | T | 2 | 36 | A | 2.94  | 2.64  | 0.10 | 18.3  | 67.0  | 1.80 | 0.052 | 6.22 |
| Soil | B | 2/27/2012 | W  | T | 3 | 36 | A | 3.39  | 0.95  | 0.13 | 13.4  | 51.2  | 1.74 | 0.063 | 5.95 |
| Soil | B | 2/27/2012 | W  | T | 4 | 36 | A | 5.02  | 2.17  | 0.18 | 9.5   | 50.8  | 3.29 | 0.071 | 6.09 |
| Soil | B | 2/27/2012 | W  | T | 5 | 36 | A | 6.36  | 3.64  | 0.21 | 4.4   | 15.1  | 4.34 | 0.075 | 6.15 |
| Soil | B | 2/27/2012 | W  | T | 6 | 36 | A | 16.76 | 1.84  | 0.10 | 34.4  | 137.6 | 1.81 | 0.053 | 6.35 |
| Soil | B | 2/27/2012 | W  | C | 1 | 36 | S | 18.90 | 1.29  | 0.34 | 29.2  | 45.4  | 6.31 | 0.092 | 5.98 |
| Soil | B | 2/27/2012 | W  | C | 2 | 36 | S | 22.30 | 0.90  | 0.29 | 148.2 | 343.4 | 5.03 | 0.124 | 5.89 |
| Soil | B | 2/27/2012 | W  | C | 3 | 36 | S | 13.61 | 1.46  | 0.19 | 56.9  | 137.6 | 3.06 | 0.095 | 6.25 |
| Soil | B | 2/27/2012 | W  | C | 4 | 36 | S | 20.51 | 2.06  | 0.17 | 60.1  | 176.1 | 2.92 | 0.128 | 6.11 |
| Soil | B | 2/27/2012 | W  | C | 5 | 36 | S | 6.82  | 4.06  | 0.13 | 35.3  | 79.9  | 2.04 | 0.055 | 6.13 |
| Soil | B | 2/27/2012 | W  | C | 6 | 36 | S | 3.67  | 1.77  | 0.13 | 29.1  | 119.9 | 2.34 | 0.060 | 6.40 |
| Soil | B | 4/4/2012  | SP | T | 1 | 12 | A | 16.72 | 2.45  | 0.45 | 64.1  | 211.0 | 9.55 | 0.102 | 6.30 |
| Soil | B | 4/4/2012  | SP | T | 3 | 12 | A | 26.86 | 4.03  | 0.43 | 143.8 | 349.7 | 8.64 | 0.125 | 6.51 |
| Soil | B | 4/4/2012  | SP | T | 5 | 12 | A | 15.40 | 3.15  | 0.41 | 104.6 | 329.8 | 8.23 | 0.097 | 6.69 |
| Soil | B | 4/4/2012  | SP | C | 1 | 12 | S | 33.99 | 13.57 | 0.41 | 308.9 | 648.0 | 8.49 | 0.136 | 6.45 |
| Soil | B | 4/4/2012  | SP | C | 4 | 12 | S | 16.13 | 6.87  | 0.34 | 199.4 | 567.8 | 6.21 | 0.109 | 6.51 |
| Soil | B | 4/4/2012  | SP | C | 6 | 12 | S | 33.92 | 11.48 | 0.39 | 281.8 | 547.8 | 7.31 | 0.210 | 6.37 |
| Soil | B | 4/4/2012  | SP | T | 1 | 24 | A | 9.19  | 2.24  | 0.29 | 15.8  | 64.4  | 6.76 | 0.081 | 6.24 |
| Soil | B | 4/4/2012  | SP | T | 3 | 24 | A | 7.27  | 5.47  | 0.22 | 36.3  | 147.1 | 4.53 | 0.092 | 6.58 |
| Soil | B | 4/4/2012  | SP | T | 5 | 24 | A | 8.18  | 3.34  | 0.27 | 9.6   | 128.7 | 6.27 | 0.096 | 6.55 |
| Soil | B | 4/4/2012  | SP | C | 1 | 24 | S | 5.63  | 4.69  | 0.18 | 34.4  | 166.0 | 3.31 | 0.080 | 6.68 |
| Soil | B | 4/4/2012  | SP | C | 4 | 24 | S | 5.71  | 3.94  | 0.16 | 38.7  | 198.6 | 2.92 | 0.067 | 6.67 |
| Soil | B | 4/4/2012  | SP | C | 6 | 24 | S | 4.73  | 3.76  | 0.15 | 73.9  | 305.9 | 2.67 | 0.095 | 6.72 |
| Soil | B | 4/4/2012  | SP | T | 1 | 36 | A | 7.57  | 1.18  | 0.25 | 7.3   | 35.7  | 5.71 | 0.066 | 6.16 |
| Soil | B | 4/4/2012  | SP | T | 3 | 36 | A | 5.05  | 3.78  | 0.15 | 32.1  | 120.3 | 2.50 | 0.080 | 6.93 |
| Soil | B | 4/4/2012  | SP | T | 5 | 36 | A | 5.39  | 2.20  | 0.21 | 36.1  | 52.1  | 4.28 | 0.113 | 6.34 |
| Soil | B | 4/4/2012  | SP | C | 1 | 36 | S | 2.57  | 2.79  | 0.13 | 13.6  | 69.7  | 2.29 | 0.156 | 6.59 |
| Soil | B | 4/4/2012  | SP | C | 4 | 36 | S | 4.02  | 3.42  | 0.14 | 35.2  | 161.4 | 4.35 | 0.073 | 6.79 |
| Soil | B | 4/4/2012  | SP | C | 6 | 36 | S | 2.10  | 2.56  | 0.10 | 44.2  | 169.6 | 1.44 | 0.053 | 6.55 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 5/1/2012  | SP | T | 1 | 12 | A | 2.91  | 14.36 | 0.36 | 59.7  | 240.1 | 8.19 | 0.052 | 5.88 |
| Soil | B | 5/1/2012  | SP | T | 3 | 12 | A | 3.99  | 25.95 | 0.39 | 148.1 | 311.7 | 7.66 | 0.082 | 5.55 |
| Soil | B | 5/1/2012  | SP | T | 5 | 12 | A | 2.03  | 10.51 | 0.37 | 145.9 | 360.3 | 7.09 | 0.040 | 6.16 |
| Soil | B | 5/1/2012  | SP | C | 1 | 12 | S | 3.57  | 9.59  | 0.36 | 274.2 | 602.4 | 6.71 | 0.041 | 6.02 |
| Soil | B | 5/1/2012  | SP | C | 4 | 12 | S | 1.65  | 7.49  | 0.37 | 259.4 | 521.5 | 6.97 | 0.041 | 6.09 |
| Soil | B | 5/1/2012  | SP | C | 6 | 12 | S | 0.10  | 8.77  | 0.28 | 281.8 | 630.7 | 5.12 | 0.033 | 6.04 |
| Soil | B | 5/1/2012  | SP | T | 1 | 24 | A | 1.31  | 10.35 | 0.25 | 10.7  | 58.5  | 5.61 | 0.033 | 5.24 |
| Soil | B | 5/1/2012  | SP | T | 3 | 24 | A | 4.90  | 11.87 | 0.18 | 13.6  | 75.4  | 3.91 | 0.043 | 5.66 |
| Soil | B | 5/1/2012  | SP | T | 5 | 24 | A | 2.78  | 9.94  | 0.23 | 34.1  | 130.4 | 4.99 | 0.043 | 5.99 |
| Soil | B | 5/1/2012  | SP | C | 1 | 24 | S | 0.54  | 7.81  | 0.21 | 99.6  | 354.3 | 3.89 | 0.036 | 5.95 |
| Soil | B | 5/1/2012  | SP | C | 4 | 24 | S | 2.00  | 7.01  | 0.18 | 54.8  | 285.4 | 2.82 | 0.026 | 6.03 |
| Soil | B | 5/1/2012  | SP | C | 6 | 24 | S | 0.71  | 6.40  | 0.12 | 42.5  | 192.8 | 1.68 | 0.028 | 6.21 |
| Soil | B | 5/1/2012  | SP | T | 1 | 36 | A |       |       |      |       |       |      |       |      |
| Soil | B | 5/1/2012  | SP | T | 3 | 36 | A | 1.20  | 10.65 | 0.16 | 18.2  | 91.8  | 2.67 | 0.027 | 5.80 |
| Soil | B | 5/1/2012  | SP | T | 5 | 36 | A | 7.93  | 9.26  | 0.21 | 12.4  | 44.5  | 4.78 | 0.036 | 5.90 |
| Soil | B | 5/1/2012  | SP | C | 1 | 36 | S | 1.20  | 6.28  | 0.13 | 24.1  | 143.5 | 2.11 | 0.028 | 6.14 |
| Soil | B | 5/1/2012  | SP | C | 4 | 36 | S | 1.91  | 7.39  | 0.11 | 125.8 | 240.6 | 1.88 | 0.028 | 6.07 |
| Soil | B | 5/1/2012  | SP | C | 6 | 36 | S | 1.08  | 6.58  | 0.13 | 187.4 | 308.4 | 2.29 | 0.027 | 5.97 |
| Soil | B | 6/15/2012 | SP | T | 1 | 12 | A | 3.09  | 27.44 | 0.41 | 63.5  | 352.2 | 8.86 | 0.530 | 5.89 |
| Soil | B | 6/15/2012 | SP | T | 3 | 12 | A | 4.19  | 92.56 | 0.37 | 169.6 | 475.6 | 7.49 | 0.610 | 5.96 |
| Soil | B | 6/15/2012 | SP | T | 5 | 12 | A | 8.04  | 26.25 | 0.36 | 141.9 | 357.2 | 7.11 | 0.230 | 6.16 |
| Soil | B | 6/15/2012 | SP | C | 1 | 12 | S | 7.56  | 47.37 | 0.36 | 212.0 | 548.4 | 6.97 | 0.320 | 6.45 |
| Soil | B | 6/15/2012 | SP | C | 4 | 12 | S | 13.50 | 69.26 | 0.37 | 350.9 | 771.4 | 7.54 | 0.660 | 6.05 |
| Soil | B | 6/15/2012 | SP | C | 6 | 12 | S | 2.99  | 26.19 | 0.34 | 275.2 | 685.7 | 7.40 | 0.290 | 6.16 |
| Soil | B | 6/15/2012 | SP | T | 1 | 24 | A | 1.99  | 25.39 | 0.25 | 24.3  | 126.3 | 5.18 | 0.240 | 6.08 |
| Soil | B | 6/15/2012 | SP | T | 3 | 24 | A | 1.48  | 28.30 | 0.24 | 4.6   | 117.7 | 5.75 | 0.230 | 5.97 |
| Soil | B | 6/15/2012 | SP | T | 5 | 24 | A | 5.30  | 22.27 | 0.21 | 28.8  | 116.5 | 4.74 | 0.120 | 6.20 |
| Soil | B | 6/15/2012 | SP | C | 1 | 24 | S | 4.44  | 15.54 | 0.21 | 80.0  | 292.8 | 4.21 | 0.220 | 6.16 |
| Soil | B | 6/15/2012 | SP | C | 4 | 24 | S | 9.27  | 48.82 | 0.31 | 219.1 | 581.2 | 5.84 | 0.340 | 6.10 |
| Soil | B | 6/15/2012 | SP | C | 6 | 24 | S | 2.54  | 16.77 | 0.27 | 130.9 | 396.9 | 5.44 | 0.170 | 6.25 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 6/15/2012 | SP | T | 1 | 36 | A | 1.32  | 17.91 | 0.27 | 16.4  | 139.0 | 5.59  | 0.280 | 5.95 |
| Soil | B | 6/15/2012 | SP | T | 3 | 36 | A | 1.28  | 9.73  | 0.14 | 5.3   | 35.1  | 2.88  | 0.150 | 6.16 |
| Soil | B | 6/15/2012 | SP | T | 5 | 36 | A | 2.58  | 4.28  | 0.13 | 5.1   | 37.8  | 2.56  | 0.090 | 6.25 |
| Soil | B | 6/15/2012 | SP | C | 1 | 36 | S | 1.79  | 11.78 | 0.09 | 40.8  | 160.1 | 1.99  | 0.070 | 6.31 |
| Soil | B | 6/15/2012 | SP | C | 4 | 36 | S | 8.59  | 34.01 | 0.33 | 320.5 | 631.9 | 6.09  | 0.140 | 6.17 |
| Soil | B | 6/15/2012 | SP | C | 6 | 36 | S | 1.75  | 4.50  | 0.16 | 33.4  | 161.9 | 2.69  | 0.080 | 6.43 |
| Soil | B | 7/19/2012 | S  | T | 1 | 12 | A | 5.26  | 6.12  | 0.30 | 25.8  | 109.7 | 7.56  | 0.090 | 5.86 |
| Soil | B | 7/19/2012 | S  | T | 3 | 12 | A | 3.26  | 15.57 | 0.35 | 187.8 | 434.4 | 7.02  | 0.070 | 6.23 |
| Soil | B | 7/19/2012 | S  | T | 5 | 12 | A | 3.50  | 4.31  | 0.35 | 70.1  | 297.3 | 7.37  | 0.060 | 6.20 |
| Soil | B | 7/19/2012 | S  | C | 1 | 12 | S | 7.83  | 16.81 | 0.33 | 218.5 | 647.7 | 6.42  | 0.140 | 6.30 |
| Soil | B | 7/19/2012 | S  | C | 4 | 12 | S | 4.72  | 10.01 | 0.31 | 288.5 | 574.1 | 6.20  | 0.100 | 6.35 |
| Soil | B | 7/19/2012 | S  | C | 6 | 12 | S | 7.68  | 27.89 | 0.37 | 153.0 | 623.3 | 7.74  | 0.210 | 6.13 |
| Soil | B | 7/19/2012 | S  | T | 1 | 24 | A | 5.70  | 14.13 | 0.34 | 79.4  | 219.8 | 7.91  | 0.130 | 6.13 |
| Soil | B | 7/19/2012 | S  | T | 3 | 24 | A | 2.26  | 5.38  | 0.15 | 46.6  | 150.6 | 3.19  | 0.100 | 6.43 |
| Soil | B | 7/19/2012 | S  | T | 5 | 24 | A | 1.82  | 7.18  | 0.13 | 44.0  | 100.0 | 3.20  | 0.060 | 6.55 |
| Soil | B | 7/19/2012 | S  | C | 1 | 24 | S | 4.13  | 16.55 | 0.17 | 160.4 | 387.7 | 3.65  | 0.120 | 6.18 |
| Soil | B | 7/19/2012 | S  | C | 4 | 24 | S | 4.88  | 6.48  | 0.14 | 128.1 | 331.4 | 3.25  | 0.080 | 6.35 |
| Soil | B | 7/19/2012 | S  | C | 6 | 24 | S | 2.72  | 25.48 | 0.21 | 94.4  | 415.7 | 4.25  | 0.200 | 6.13 |
| Soil | B | 7/19/2012 | S  | T | 1 | 36 | A | 0.40  | 3.35  | 0.13 | 12.2  | 55.5  | 2.70  | 0.030 | 6.20 |
| Soil | B | 7/19/2012 | S  | T | 3 | 36 | A | 1.23  | 2.03  | 0.20 | 54.0  | 135.4 | 4.03  | 0.050 | 6.37 |
| Soil | B | 7/19/2012 | S  | T | 5 | 36 | A | 1.69  | 2.60  | 0.13 | 20.7  | 42.6  | 3.41  | 0.030 | 6.27 |
| Soil | B | 7/19/2012 | S  | C | 1 | 36 | S | 1.38  | 1.62  | 0.08 | 78.6  | 155.1 | 1.79  | 0.040 | 6.68 |
| Soil | B | 7/19/2012 | S  | C | 4 | 36 | S | 6.05  | 11.36 | 0.14 | 141.1 | 436.3 | 2.89  | 0.090 | 6.36 |
| Soil | B | 7/19/2012 | S  | C | 6 | 36 | S | 1.94  | 1.99  | 0.08 | 57.5  | 130.5 | 1.59  | 0.060 | 6.40 |
| Soil | B | 8/27/2012 | S  | T | 1 | 12 | A | 10.82 | 17.90 | 0.35 | 57.7  | 105.3 | 7.39  | 0.078 | 5.87 |
| Soil | B | 8/27/2012 | S  | T | 3 | 12 | A | 4.97  | 32.06 | 0.45 | 173.0 | 409.3 | 9.16  | 0.112 | 5.77 |
| Soil | B | 8/27/2012 | S  | T | 5 | 12 | A | 2.71  | 10.59 | 0.27 | 130.4 | 358.6 | 5.40  | 0.083 | 6.40 |
| Soil | B | 8/27/2012 | S  | C | 1 | 12 | S | 3.67  | 8.30  | 0.28 | 275.2 | 616.1 | 5.37  | 0.100 | 6.31 |
| Soil | B | 8/27/2012 | S  | C | 4 | 12 | S | 3.11  | 24.63 | 0.49 | 324.7 | 693.9 | 9.51  | 0.121 | 6.31 |
| Soil | B | 8/27/2012 | S  | C | 6 | 12 | S | 4.15  | 15.52 | 0.52 | 239.3 | 678.5 | 10.98 | 0.099 | 5.95 |

|      |   |           |   |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 8/27/2012 | S | T | 1 | 24 | A | 0.85 | 6.44  | 0.18 | 5.6   | 21.8  | 4.18  | 0.033 | 6.03 |
| Soil | B | 8/27/2012 | S | T | 3 | 24 | A | 2.77 | 12.53 | 0.22 | 26.0  | 129.3 | 4.60  | 0.156 | 5.87 |
| Soil | B | 8/27/2012 | S | T | 5 | 24 | A | 2.06 | 10.28 | 0.21 | 47.3  | 104.9 | 5.04  | 0.051 | 6.11 |
| Soil | B | 8/27/2012 | S | C | 1 | 24 | S | 2.43 | 12.29 | 0.19 | 83.6  | 330.8 | 3.72  | 0.091 | 6.31 |
| Soil | B | 8/27/2012 | S | C | 4 | 24 | S | 1.41 | 13.40 | 0.12 | 38.7  | 204.1 | 2.49  | 0.105 | 6.42 |
| Soil | B | 8/27/2012 | S | C | 6 | 24 | S | 1.42 | 3.19  | 0.14 | 78.7  | 337.0 | 2.64  | 0.049 | 6.35 |
| Soil | B | 8/27/2012 | S | T | 1 | 36 | A | 1.03 | 1.89  | 0.13 | 6.4   | 66.9  | 2.81  | 0.043 | 6.04 |
| Soil | B | 8/27/2012 | S | T | 3 | 36 | A | 1.24 | 2.61  | 0.07 | 11.1  | 105.3 | 1.22  | 0.052 | 6.10 |
| Soil | B | 8/27/2012 | S | T | 5 | 36 | A | 1.19 | 3.97  | 0.13 | 1.7   | 24.6  | 3.87  | 0.057 | 5.69 |
| Soil | B | 8/27/2012 | S | C | 1 | 36 | S | 1.61 | 4.67  | 0.10 | 20.3  | 150.8 | 1.86  | 0.078 | 6.27 |
| Soil | B | 8/27/2012 | S | C | 4 | 36 | S | 1.36 | 6.11  | 0.15 | 24.5  | 195.1 | 2.85  | 0.050 | 6.44 |
| Soil | B | 8/27/2012 | S | C | 6 | 36 | S | 1.28 | 0.27  | 0.10 | 125.0 | 197.0 | 1.74  | 0.070 | 6.36 |
| Soil | B | 10/1/2012 | F | C | 1 | 12 | A | 9.43 | 12.70 | 0.54 | 408.4 | 557.0 | 11.40 | 0.106 | 5.97 |
| Soil | B | 10/1/2012 | F | C | 4 | 12 | A | 3.63 | 5.77  | 0.24 | 293.5 | 473.1 | 5.16  | 0.099 | 6.28 |
| Soil | B | 10/1/2012 | F | C | 6 | 12 | A | 4.77 | 23.32 | 0.19 | 364.4 | 390.6 | 4.84  | 0.195 | 5.83 |
| Soil | B | 10/1/2012 | F | T | 1 | 12 | S | 6.31 | 6.95  | 0.32 | 66.7  | 203.5 | 7.48  | 0.118 | 6.01 |
| Soil | B | 10/1/2012 | F | T | 3 | 12 | S | 7.13 | 21.70 | 0.42 | 198.1 | 131.9 | 9.00  | 0.057 | 5.76 |
| Soil | B | 10/1/2012 | F | T | 5 | 12 | S | 4.10 | 7.68  | 0.38 | 138.7 | 94.2  | 8.23  | 0.044 | 6.17 |
| Soil | B | 10/1/2012 | F | C | 1 | 24 | A | 3.67 | 23.90 | 0.21 | 159.0 | 265.9 | 4.52  | 0.151 | 5.72 |
| Soil | B | 10/1/2012 | F | C | 4 | 24 | A | 1.61 | 3.13  | 0.07 | 32.2  | 154.3 | 1.81  | 0.079 | 6.26 |
| Soil | B | 10/1/2012 | F | C | 6 | 24 | A | 2.79 | 14.40 | 0.09 | 94.8  | 102.7 | 2.26  | 0.087 | 6.08 |
| Soil | B | 10/1/2012 | F | T | 1 | 24 | S | 2.83 | 4.91  | 0.22 | 6.1   | 19.4  | 6.00  | 0.089 | 5.28 |
| Soil | B | 10/1/2012 | F | T | 3 | 24 | S | 2.91 | 15.70 | 0.04 | 45.8  | 127.1 | 1.31  | 0.074 | 5.69 |
| Soil | B | 10/1/2012 | F | T | 5 | 24 | S | 2.92 | 5.73  | 0.15 | 23.0  | 79.5  | 3.64  | 0.068 | 5.80 |
| Soil | B | 10/1/2012 | F | C | 1 | 36 | A | 2.87 | 16.50 | 0.08 | 33.8  | 160.0 | 1.87  | 0.090 | 6.19 |
| Soil | B | 10/1/2012 | F | C | 4 | 36 | A | 1.76 | 1.72  | 0.05 | 80.8  | 186.6 | 1.13  | 0.065 | 6.34 |
| Soil | B | 10/1/2012 | F | C | 6 | 36 | A | 1.36 | 2.13  | 0.03 | 69.2  | 200.2 | 0.64  | 0.040 | 6.34 |
| Soil | B | 10/1/2012 | F | T | 1 | 36 | S | 2.29 | 5.54  | 0.11 | 11.3  | 45.0  | 2.96  | 0.062 | 5.28 |
| Soil | B | 10/1/2012 | F | T | 3 | 36 | S | 1.25 | 2.42  | 0.12 | 30.0  | 92.4  | 2.65  | 0.025 | 5.79 |
| Soil | B | 10/1/2012 | F | T | 5 | 36 | S | 2.33 | 6.30  | 0.09 | 7.7   | 37.7  | 2.54  | 0.061 | 5.77 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 11/5/2012  | F | C | 1 | 12 | A | 5.25 | 7.96  | 0.46 | 320.0 | 706.0 | 9.07  | 0.070 | 6.20 |
| Soil | B | 11/5/2012  | F | C | 4 | 12 | A | 2.77 | 7.66  | 0.37 | 263.5 | 564.0 | 7.52  | 0.058 | 6.30 |
| Soil | B | 11/5/2012  | F | C | 6 | 12 | A | 4.28 | 7.15  | 0.51 | 298.9 | 599.0 | 10.98 | 0.063 | 6.01 |
| Soil | B | 11/5/2012  | F | T | 1 | 12 | S | 5.84 | 9.76  | 0.79 | 65.6  | 285.0 | 8.77  | 0.098 | 5.60 |
| Soil | B | 11/5/2012  | F | T | 3 | 12 | S | 3.46 | 13.80 | 0.66 | 180.1 | 423.0 | 13.36 | 0.107 | 6.12 |
| Soil | B | 11/5/2012  | F | T | 5 | 12 | S | 3.55 | 21.40 | 0.43 | 100.1 | 333.0 | 9.15  | 0.165 | 6.02 |
| Soil | B | 11/5/2012  | F | C | 1 | 24 | A | 0.84 | 4.15  | 0.19 | 171.7 | 413.0 | 4.11  | 0.054 | 6.05 |
| Soil | B | 11/5/2012  | F | C | 4 | 24 | A | 1.52 | 2.48  | 0.38 | 134.8 | 383.0 | 8.24  | 0.059 | 6.29 |
| Soil | B | 11/5/2012  | F | C | 6 | 24 | A | 1.60 | 2.72  | 0.10 | 45.3  | 164.0 | 3.50  | 0.040 | 5.77 |
| Soil | B | 11/5/2012  | F | T | 1 | 24 | S | 1.83 | 22.10 | 0.22 | 10.5  | 69.5  | 4.77  | 0.142 | 5.28 |
| Soil | B | 11/5/2012  | F | T | 3 | 24 | S | 3.26 | 20.50 | 0.20 | 41.2  | 138.0 | 4.04  | 0.056 | 5.67 |
| Soil | B | 11/5/2012  | F | T | 5 | 24 | S | 3.44 | 18.50 | 0.56 | 86.9  | 306.0 | 11.59 | 0.098 | 6.18 |
| Soil | B | 11/5/2012  | F | C | 1 | 36 | A | 1.09 | 5.92  | 0.08 | 74.4  | 298.0 | 2.26  | 0.055 | 6.14 |
| Soil | B | 11/5/2012  | F | C | 4 | 36 | A | 1.32 | 2.98  | 0.04 | 29.4  | 161.0 | 0.79  | 0.043 | 6.21 |
| Soil | B | 11/5/2012  | F | C | 6 | 36 | A | 0.54 | 3.10  | 0.06 | 66.4  | 128.0 | 0.82  | 0.012 | 5.92 |
| Soil | B | 11/5/2012  | F | T | 1 | 36 | S | 3.14 | 31.10 | 0.13 | 4.2   | 37.9  | 2.43  | 0.040 | 5.48 |
| Soil | B | 11/5/2012  | F | T | 3 | 36 | S | 1.14 | 17.70 | 0.08 | 22.9  | 81.7  | 1.71  | 0.085 | 5.93 |
| Soil | B | 11/5/2012  | F | T | 5 | 36 | S | 0.86 | 5.62  | 0.03 | 20.1  | 77.3  | 1.16  | 0.042 | 5.84 |
| Soil | B | 11/27/2012 | F | C | 1 | 12 | A | 7.09 | 4.20  | 0.34 | 347.0 | 662.0 | 7.28  | 0.014 | 6.07 |
| Soil | B | 11/27/2012 | F | C | 4 | 12 | A | 5.35 | 2.62  | 0.31 | 305.0 | 651.0 | 5.93  | 0.028 | 6.32 |
| Soil | B | 11/27/2012 | F | C | 5 | 12 | A | 4.24 | 1.18  | 0.22 | 184.0 | 541.0 | 4.64  | 0.048 | 6.29 |
| Soil | B | 11/27/2012 | F | C | 6 | 12 | A | 5.43 | 8.33  | 0.55 | 358.0 | 721.0 | 11.46 | 0.033 | 6.23 |
| Soil | B | 11/27/2012 | F | T | 1 | 12 | S | 7.03 | 6.87  | 0.35 | 82.9  | 332.0 | 7.52  | 0.055 | 6.23 |
| Soil | B | 11/27/2012 | F | T | 3 | 12 | S | 5.68 | 8.29  | 0.36 | 142.0 | 434.0 | 7.48  | 0.050 | 6.32 |
| Soil | B | 11/27/2012 | F | T | 5 | 12 | S | 4.18 | 5.59  | 0.35 | 137.0 | 395.0 | 6.55  | 0.029 | 6.55 |
| Soil | B | 11/27/2012 | F | T | 6 | 12 | S | 5.28 | 3.11  | 0.25 | 256.0 | 523.0 | 5.03  | 0.030 | 6.47 |
| Soil | B | 11/27/2012 | F | C | 1 | 24 | A | 5.97 | 2.43  | 0.20 | 178.0 | 474.0 | 4.15  | 0.059 | 6.16 |
| Soil | B | 11/27/2012 | F | C | 4 | 24 | A | 2.16 | 1.20  | 0.16 | 106.0 | 383.0 | 2.74  | 0.070 | 6.25 |
| Soil | B | 11/27/2012 | F | C | 5 | 24 | A | 5.39 | 3.74  | 0.30 | 52.1  | 125.0 | 7.09  | 0.057 | 6.13 |
| Soil | B | 11/27/2012 | F | C | 6 | 24 | A | 2.00 | 2.54  | 0.10 | 90.8  | 284.0 | 1.66  | 0.011 | 6.35 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | B | 11/27/2012 | F | T | 1 | 24 | S | 3.16 | 7.12  | 0.24 | 11.2  | 65.7  | 5.21 | 0.040 | 5.71 |
| Soil | B | 11/27/2012 | F | T | 3 | 24 | S | 1.90 | 5.49  | 0.15 | 14.5  | 59.5  | 3.36 | 0.029 | 6.17 |
| Soil | B | 11/27/2012 | F | T | 5 | 24 | S | 0.53 | 0.58  | 0.09 | 24.7  | 133.0 | 1.62 | 0.007 | 6.31 |
| Soil | B | 11/27/2012 | F | T | 6 | 24 | S | 3.85 | 1.37  | 0.12 | 38.3  | 163.0 | 2.69 | 0.023 | 6.38 |
| Soil | B | 11/27/2012 | F | C | 1 | 36 | A | 1.88 | 1.10  | 0.12 | 19.0  | 102.0 | 3.05 | 0.033 | 6.06 |
| Soil | B | 11/27/2012 | F | C | 4 | 36 | A | 2.34 | 0.05  | 0.07 | 87.5  | 155.0 | 1.28 | 0.017 | 6.34 |
| Soil | B | 11/27/2012 | F | C | 5 | 36 | A | 2.77 | 0.34  | 0.08 | 70.0  | 163.0 | 1.34 | 0.030 | 6.31 |
| Soil | B | 11/27/2012 | F | C | 6 | 36 | A | 0.61 | 2.78  | 0.08 | 93.2  | 152.0 | 0.98 | 0.016 | 6.49 |
| Soil | B | 11/27/2012 | F | T | 1 | 36 | S | 2.35 | 20.60 | 0.08 | 10.3  | 46.6  | 1.38 | 0.049 | 5.84 |
| Soil | B | 11/27/2012 | F | T | 3 | 36 | S | 2.88 | 7.22  | 0.08 | 21.5  | 76.5  | 1.67 | 0.034 | 6.18 |
| Soil | B | 11/27/2012 | F | T | 5 | 36 | S | 3.24 | 5.97  | 0.14 | 1.0   | 17.3  | 3.52 | 0.036 | 6.13 |
| Soil | B | 11/27/2012 | F | T | 6 | 36 | S | 1.98 | 0.74  | 0.07 | 186.2 | 148.0 | 1.57 | 0.024 | 6.31 |
| Soil | B | 12/28/2012 | F | C | 1 | 12 | A | 6.38 | 3.39  | 0.38 | 252.2 | 576.8 | 7.99 | 0.012 | 6.33 |
| Soil | B | 12/28/2012 | F | C | 4 | 12 | A | 4.92 | 4.22  | 0.42 | 215.1 | 614.6 | 8.75 | 0.032 | 6.14 |
| Soil | B | 12/28/2012 | F | C | 5 | 12 | A | 2.58 | 4.71  | 0.45 | 210.9 | 469.7 | 8.62 | 0.049 | 6.09 |
| Soil | B | 12/28/2012 | F | T | 3 | 12 | S | 4.97 | 4.25  | 0.43 | 101.0 | 312.4 | 9.20 | 0.051 | 6.13 |
| Soil | B | 12/28/2012 | F | T | 5 | 12 | S | 6.95 | 5.94  | 0.37 | 96.7  | 314.7 | 8.04 | 0.056 | 6.40 |
| Soil | B | 12/28/2012 | F | T | 6 | 12 | S | 4.90 | 6.37  | 0.44 | 215.6 | 555.2 | 9.95 | 0.069 | 6.36 |
| Soil | B | 12/28/2012 | F | C | 1 | 24 | A | 3.24 | 1.07  | 0.18 | 119.6 | 355.6 | 4.23 | 0.042 | 6.22 |
| Soil | B | 12/28/2012 | F | C | 4 | 24 | A | 1.93 | 1.04  | 0.05 | 3.7   | 121.3 | 7.53 | 0.039 | 6.30 |
| Soil | B | 12/28/2012 | F | C | 5 | 24 | A | 3.06 | 2.00  | 0.21 | 56.5  | 149.1 | 6.09 | 0.046 | 5.75 |
| Soil | B | 12/28/2012 | F | T | 3 | 24 | S | 3.52 | 1.70  | 0.12 |       | 32.3  | 2.86 | 0.043 | 6.19 |
| Soil | B | 12/28/2012 | F | T | 5 | 24 | S | 5.46 | 2.55  | 0.24 | 5.7   | 114.4 | 5.49 | 0.044 | 6.08 |
| Soil | B | 12/28/2012 | F | T | 6 | 24 | S | 2.76 | 1.30  | 0.17 | 54.6  | 205.4 | 4.12 | 0.043 | 6.48 |
| Soil | B | 12/28/2012 | F | C | 1 | 36 | A | 1.91 | 1.10  | 0.06 | 50.8  | 131.5 | 1.25 | 0.026 | 6.37 |
| Soil | B | 12/28/2012 | F | C | 4 | 36 | A | 1.44 | 0.92  | 0.38 | 4.9   | 128.6 | 1.01 | 0.035 | 6.32 |
| Soil | B | 12/28/2012 | F | C | 5 | 36 | A | 2.79 | 3.98  | 0.18 | 33.6  | 198.6 | 8.43 | 0.053 | 5.11 |
| Soil | B | 12/28/2012 | F | T | 3 | 36 | S | 3.18 | 1.47  | 0.11 | 2.1   | 69.0  | 1.64 | 0.036 | 6.16 |
| Soil | B | 12/28/2012 | F | T | 5 | 36 | S | 4.39 | 2.73  | 0.20 |       | 29.1  | 4.89 | 0.031 | 5.67 |
| Soil | B | 12/28/2012 | F | T | 6 | 36 | S | 2.22 | 2.63  | 0.05 | 0.7   | 115.3 | 1.38 | 0.046 | 6.52 |

|      |   |          |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 2/4/2013 | W | C | 1 | 12 | A | 7.69  | 8.11  | 0.45 | 171.0 | 830.0 | 8.61  | 0.016 | 6.06 |
| Soil | B | 2/4/2013 | W | C | 4 | 12 | A | 6.11  | 2.30  | 0.29 | 197.0 | 697.0 | 5.16  | 0.026 | 6.38 |
| Soil | B | 2/4/2013 | W | C | 5 | 12 | A | 8.87  | 4.02  | 0.42 | 215.0 | 849.0 | 7.84  | 0.042 | 6.11 |
| Soil | B | 2/4/2013 | W | T | 3 | 12 | S | 6.01  | 4.82  | 0.63 | 154.0 | 478.0 | 12.40 | 0.034 | 6.17 |
| Soil | B | 2/4/2013 | W | T | 5 | 12 | S | 6.73  | 12.37 | 0.39 | 105.0 | 392.0 | 7.22  | 0.040 | 6.37 |
| Soil | B | 2/4/2013 | W | T | 6 | 12 | S | 8.49  | 12.37 | 0.48 | 180.0 | 601.0 | 10.10 | 0.073 | 6.08 |
| Soil | B | 2/4/2013 | W | C | 1 | 24 | A | 4.97  | 2.42  | 0.25 | 139.0 | 359.0 | 6.49  | 0.008 | 6.27 |
| Soil | B | 2/4/2013 | W | C | 4 | 24 | A | 3.23  | 0.52  | 0.14 | 128.0 | 301.0 | 1.82  | 0.009 | 6.42 |
| Soil | B | 2/4/2013 | W | C | 5 | 24 | A | 2.28  | 1.43  | 0.11 | 56.8  | 134.0 | 1.55  | 0.031 | 6.44 |
| Soil | B | 2/4/2013 | W | T | 3 | 24 | S | 6.05  | 1.26  | 0.28 | 57.6  | 183.0 | 5.94  | 0.008 | 6.14 |
| Soil | B | 2/4/2013 | W | T | 5 | 24 | S | 3.93  | 1.32  | 0.31 | 19.6  | 90.3  | 5.55  | 0.021 | 6.12 |
| Soil | B | 2/4/2013 | W | T | 6 | 24 | S | 4.85  | 3.62  | 0.20 | 90.8  | 338.0 | 3.99  | 0.028 | 6.16 |
| Soil | B | 2/4/2013 | W | C | 1 | 36 | A | 4.54  | 0.50  | 0.11 | 31.7  | 146.0 | 1.68  | 0.012 | 6.41 |
| Soil | B | 2/4/2013 | W | C | 4 | 36 | A | 3.98  | 0.50  | 0.13 | 144.0 | 304.0 | 1.90  | 0.033 | 6.46 |
| Soil | B | 2/4/2013 | W | C | 5 | 36 | A | 3.58  | 2.43  | 0.21 | 97.7  | 351.0 | 3.88  | 0.027 | 6.43 |
| Soil | B | 2/4/2013 | W | T | 3 | 36 | S | 2.00  | 0.75  | 0.15 | 20.2  | 55.6  | 1.91  | 0.017 | 6.25 |
| Soil | B | 2/4/2013 | W | T | 5 | 36 | S | 3.89  | 0.86  | 0.15 | 2.3   | 37.5  | 2.64  | 0.029 | 5.87 |
| Soil | B | 2/4/2013 | W | T | 6 | 36 | S | 3.53  | 0.95  | 0.11 | 19.7  | 136.0 | 1.98  | 0.024 | 6.30 |
| Soil | B | 3/4/2013 | W | C | 1 | 12 | A | 15.90 | 8.66  | 0.32 | 404.0 | 504.0 | 6.89  | 0.060 | 6.62 |
| Soil | B | 3/4/2013 | W | C | 5 | 12 | A | 62.40 | 14.80 | 0.23 | 161.0 | 289.0 | 5.17  | 0.047 | 6.39 |
| Soil | B | 3/4/2013 | W | T | 3 | 12 | S | 10.20 | 10.90 | 0.34 | 208.0 | 214.0 | 7.08  | 0.070 | 5.82 |
| Soil | B | 3/4/2013 | W | T | 5 | 12 | S | 10.60 | 20.10 | 0.32 | 155.0 | 187.0 | 6.26  | 0.026 | 6.27 |
| Soil | B | 3/4/2013 | W | C | 1 | 24 | A | 3.94  | 1.78  | 0.16 | 136.0 | 156.0 | 3.60  | 0.036 | 6.43 |
| Soil | B | 3/4/2013 | W | C | 5 | 24 | A | 20.30 | 2.13  | 0.06 | 58.8  | 68.1  | 1.42  | 0.038 | 6.25 |
| Soil | B | 3/4/2013 | W | T | 3 | 24 | S | 2.74  | 2.26  | 0.13 | 47.6  | 47.3  | 3.41  | 0.042 | 5.95 |
| Soil | B | 3/4/2013 | W | T | 5 | 24 | S | 3.15  | 1.85  | 0.08 | 94.8  | 71.6  | 1.89  | 0.037 | 6.20 |
| Soil | B | 3/4/2013 | W | C | 1 | 36 | A | 1.87  | 0.70  | 0.08 | 65.7  | 54.8  | 2.02  | 0.040 | 6.49 |
| Soil | B | 3/4/2013 | W | C | 5 | 36 | A | 6.35  | 1.01  | 0.03 | 60.4  | 94.6  | 0.47  | 0.008 | 6.51 |
| Soil | B | 3/4/2013 | W | T | 3 | 36 | S | 2.09  | 1.16  | 0.07 | 12.4  | 23.8  | 1.63  | 0.019 | 6.22 |
| Soil | B | 3/4/2013 | W | T | 5 | 36 | S | 1.48  | 0.07  | 0.06 | 42.1  | 49.0  | 1.48  | 0.006 | 6.53 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 4/1/2013  | SP | C | 1 | 12 | A | 11.00 | 29.30 | 0.44 | 377.0 | 316.0 | 8.94 | 0.220 | 6.00 |
| Soil | B | 4/1/2013  | SP | C | 4 | 12 | A | 7.68  | 19.80 | 0.37 | 392.0 | 323.0 | 6.96 | 0.140 | 6.21 |
| Soil | B | 4/1/2013  | SP | C | 5 | 12 | A | 8.41  | 16.70 | 0.30 | 405.0 | 365.0 | 6.05 | 0.080 | 6.20 |
| Soil | B | 4/1/2013  | SP | T | 3 | 12 | S | 8.28  | 7.03  | 0.43 | 198.0 | 191.0 | 9.37 | 0.080 | 6.18 |
| Soil | B | 4/1/2013  | SP | T | 5 | 12 | S | 13.80 | 26.20 | 0.37 | 169.0 | 285.0 | 8.19 | 0.170 | 6.15 |
| Soil | B | 4/1/2013  | SP | T | 6 | 12 | S | 5.04  | 7.93  | 0.28 | 157.0 | 177.0 | 6.93 | 0.060 | 6.46 |
| Soil | B | 4/1/2013  | SP | C | 1 | 24 | A | 4.68  | 9.43  | 0.18 | 150.0 | 200.0 | 4.46 | 0.060 | 6.27 |
| Soil | B | 4/1/2013  | SP | C | 4 | 24 | A | 4.85  | 16.10 | 0.22 | 326.0 | 217.0 | 4.58 | 0.040 | 6.36 |
| Soil | B | 4/1/2013  | SP | C | 5 | 24 | A | 4.31  | 3.52  | 0.20 | 156.0 | 158.0 | 4.34 | 0.070 | 6.39 |
| Soil | B | 4/1/2013  | SP | T | 3 | 24 | S | 4.72  | 1.72  | 0.17 | 44.3  | 64.1  | 4.16 | 0.090 | 6.01 |
| Soil | B | 4/1/2013  | SP | T | 5 | 24 | S | 4.77  | 9.08  | 0.15 | 26.3  | 55.6  | 3.17 | 0.090 | 6.31 |
| Soil | B | 4/1/2013  | SP | T | 6 | 24 | S | 2.47  | 0.11  | 0.10 | 76.9  | 84.9  | 2.71 | 0.040 | 6.45 |
| Soil | B | 4/1/2013  | SP | C | 1 | 36 | A | 2.50  | 1.43  | 0.06 | 61.2  | 79.0  | 1.63 | 0.030 | 6.45 |
| Soil | B | 4/1/2013  | SP | C | 4 | 36 | A | 1.77  | 2.57  | 0.11 | 87.1  | 98.3  | 2.31 | 0.080 | 6.56 |
| Soil | B | 4/1/2013  | SP | C | 5 | 36 | A | 1.70  | 1.73  | 0.08 | 76.5  | 96.6  | 1.71 | 0.050 | 6.51 |
| Soil | B | 4/1/2013  | SP | T | 3 | 36 | S | 3.20  | 1.12  | 0.11 | 29.7  | 43.3  | 2.66 | 0.050 | 6.09 |
| Soil | B | 4/1/2013  | SP | T | 5 | 36 | S | 2.87  | 3.78  | 0.09 | 30.0  | 54.6  | 1.96 | 0.070 | 6.35 |
| Soil | B | 4/1/2013  | SP | T | 6 | 36 | S | 8.75  | 5.61  | 0.32 | 331.0 | 210.0 | 7.11 | 0.110 | 6.46 |
| Soil | B | 4/24/2013 | SP | C | 1 | 12 | A | 6.13  | 11.30 | 0.40 | 363.0 | 249.0 | 9.11 | 0.130 | 5.95 |
| Soil | B | 4/24/2013 | SP | C | 4 | 12 | A | 7.28  | 10.70 | 0.26 | 322.0 | 235.0 | 5.58 | 0.050 | 6.40 |
| Soil | B | 4/24/2013 | SP | C | 5 | 12 | A | 6.15  | 6.26  | 0.23 | 300.0 | 302.0 | 5.84 | 0.060 | 6.39 |
| Soil | B | 4/24/2013 | SP | T | 3 | 12 | S | 9.71  | 14.40 | 0.39 | 167.0 | 286.0 | 8.79 | 0.030 | 6.04 |
| Soil | B | 4/24/2013 | SP | T | 5 | 12 | S | 6.65  | 12.20 | 0.32 | 63.3  | 119.0 | 7.22 | 0.080 | 6.23 |
| Soil | B | 4/24/2013 | SP | T | 6 | 12 | S | 7.90  | 5.88  | 0.08 | 169.0 | 247.0 | 4.74 | 0.090 | 5.99 |
| Soil | B | 4/24/2013 | SP | C | 1 | 24 | A | 4.68  | 9.08  | 0.20 | 170.0 | 224.0 | 4.92 | 0.060 | 6.26 |
| Soil | B | 4/24/2013 | SP | C | 4 | 24 | A | 3.36  | 0.50  | 0.07 | 70.2  | 84.1  | 1.73 | 0.060 | 6.31 |
| Soil | B | 4/24/2013 | SP | C | 5 | 24 | A | 3.99  | 1.03  | 0.07 | 64.9  | 171.0 | 1.90 | 0.070 | 6.35 |
| Soil | B | 4/24/2013 | SP | T | 3 | 24 | S | 4.41  | 1.87  | 0.11 | 62.7  | 91.9  | 3.25 | 0.050 | 6.04 |
| Soil | B | 4/24/2013 | SP | T | 5 | 24 | S | 4.67  | 10.00 | 0.05 | 31.3  | 47.2  | 1.55 | 0.080 | 6.20 |
| Soil | B | 4/24/2013 | SP | T | 6 | 24 | S | 5.00  | 1.49  | 0.13 | 84.4  | 125.0 | 3.29 | 0.060 | 6.22 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 4/24/2013 | SP | C | 1 | 36 | A | 2.89  | 1.63  | 0.03 | 76.5  | 57.0  | 1.05  | 0.060 | 6.36 |
| Soil | B | 4/24/2013 | SP | C | 4 | 36 | A | 4.10  | 1.36  | 0.01 | 60.9  | 81.9  | 0.90  | 0.050 | 6.30 |
| Soil | B | 4/24/2013 | SP | C | 5 | 36 | A | 2.73  | 0.50  | 0.02 | 70.7  | 92.2  | 0.86  | 0.030 | 6.37 |
| Soil | B | 4/24/2013 | SP | T | 3 | 36 | S | 2.61  | 0.50  | 0.04 | 47.2  | 42.6  | 1.58  | 0.030 | 6.19 |
| Soil | B | 4/24/2013 | SP | T | 5 | 36 | S | 1.81  | 2.21  | 0.03 | 35.2  | 41.7  | 0.90  | 0.040 | 6.10 |
| Soil | B | 4/24/2013 | SP | T | 6 | 36 | S | 2.68  | 1.38  | 0.04 | 32.6  | 29.5  | 1.64  | 0.030 | 6.45 |
| Soil | B | 5/24/2013 | SP | C | 1 | 12 | A | 10.20 | 18.10 | 0.47 | 478.0 | 639.0 | 9.57  | 0.240 | 5.89 |
| Soil | B | 5/24/2013 | SP | C | 4 | 12 | A | 10.20 | 40.70 | 0.28 | 200.0 | 439.0 | 5.64  | 0.290 | 5.77 |
| Soil | B | 5/24/2013 | SP | C | 5 | 12 | A | 11.70 | 54.00 | 0.40 | 354.0 | 528.0 | 8.42  | 0.310 | 5.83 |
| Soil | B | 5/24/2013 | SP | T | 3 | 12 | S | 11.10 | 38.60 | 0.51 | 169.0 | 349.0 | 11.03 | 0.250 | 5.75 |
| Soil | B | 5/24/2013 | SP | T | 5 | 12 | S | 10.60 | 11.50 | 0.46 | 89.7  | 261.0 | 8.70  | 0.140 | 6.03 |
| Soil | B | 5/24/2013 | SP | T | 6 | 12 | S | 12.00 | 60.80 | 0.54 | 233.0 | 503.0 | 10.70 | 0.300 | 5.89 |
| Soil | B | 5/24/2013 | SP | C | 1 | 24 | A | 8.66  | 12.10 | 0.22 | 87.7  | 158.0 | 4.39  | 0.140 | 6.08 |
| Soil | B | 5/24/2013 | SP | C | 4 | 24 | A | 6.16  | 3.62  | 0.08 | 75.5  | 141.0 | 1.39  | 0.060 | 6.15 |
| Soil | B | 5/24/2013 | SP | C | 5 | 24 | A | 8.36  | 13.00 | 0.15 | 129.0 | 249.0 | 3.19  | 0.080 | 5.96 |
| Soil | B | 5/24/2013 | SP | T | 3 | 24 | S | 8.24  | 14.10 | 0.20 | 9.2   | 40.8  | 3.06  | 0.140 | 5.96 |
| Soil | B | 5/24/2013 | SP | T | 5 | 24 | S | 7.09  | 6.00  | 0.11 | 51.6  | 55.3  | 2.58  | 0.070 | 6.25 |
| Soil | B | 5/24/2013 | SP | T | 6 | 24 | S | 6.25  | 19.50 | 0.12 | 91.0  | 180.0 | 4.46  | 0.140 | 5.99 |
| Soil | B | 5/24/2013 | SP | C | 1 | 36 | A | 9.04  | 4.31  | 0.15 | 31.7  | 130.0 | 4.25  | 0.080 | 6.13 |
| Soil | B | 5/24/2013 | SP | C | 4 | 36 | A | 6.52  | 3.69  | 0.07 | 91.0  | 167.0 | 1.53  | 0.040 | 6.30 |
| Soil | B | 5/24/2013 | SP | C | 5 | 36 | A | 4.26  | 2.16  | 0.05 | 58.9  | 178.0 | 1.28  | 0.080 | 6.09 |
| Soil | B | 5/24/2013 | SP | T | 3 | 36 | S | 5.51  | 5.26  | 0.10 | 10.6  | 81.7  | 1.29  | 0.080 | 6.03 |
| Soil | B | 5/24/2013 | SP | T | 5 | 36 | S | 8.90  | 3.07  | 0.10 | 60.7  | 91.1  | 2.22  | 0.060 | 6.33 |
| Soil | B | 5/24/2013 | SP | T | 6 | 36 | S | 6.57  | 17.80 | 0.08 | 27.9  | 97.5  | 1.62  | 0.140 | 6.06 |
| Soil | B | 7/2/2013  | S  | C | 1 | 12 | A | 7.84  | 38.90 | 0.55 | 360.0 | 779.0 | 11.26 | 0.240 | 5.86 |
| Soil | B | 7/2/2013  | S  | C | 4 | 12 | A | 4.78  | 30.17 | 0.32 | 202.0 | 555.0 | 6.79  | 0.150 | 6.21 |
| Soil | B | 7/2/2013  | S  | C | 5 | 12 | A | 3.63  | 32.75 | 0.26 | 280.0 | 647.0 | 5.29  | 0.160 | 6.04 |
| Soil | B | 7/2/2013  | S  | T | 3 | 12 | S | 4.76  | 15.99 | 0.46 | 161.0 | 433.0 | 9.46  | 0.130 | 6.04 |
| Soil | B | 7/2/2013  | S  | T | 5 | 12 | S | 4.54  | 14.99 | 0.35 | 138.0 | 371.0 | 7.21  | 0.130 | 6.42 |
| Soil | B | 7/2/2013  | S  | T | 6 | 12 | S | 4.71  | 5.54  | 0.49 | 206.0 | 542.0 | 10.11 | 0.060 | 6.17 |

|      |   |          |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 7/2/2013 | S | C | 1 | 24 | A | 2.54  | 8.14  | 0.16 | 48.6  | 298.0 | 3.05  | 0.050 | 6.14 |
| Soil | B | 7/2/2013 | S | C | 4 | 24 | A | 1.44  | 5.11  | 0.07 | 96.0  | 149.0 | 1.42  | 0.030 | 6.51 |
| Soil | B | 7/2/2013 | S | C | 5 | 24 | A | 3.77  | 5.61  | 0.18 | 59.5  | 212.0 | 4.53  | 0.050 | 6.08 |
| Soil | B | 7/2/2013 | S | T | 3 | 24 | S | 3.21  | 9.51  | 0.29 | 29.3  | 132.0 | 6.14  | 0.080 | 5.86 |
| Soil | B | 7/2/2013 | S | T | 5 | 24 | S | 2.64  | 13.40 | 0.21 | 20.5  | 95.1  | 4.91  | 0.100 | 6.26 |
| Soil | B | 7/2/2013 | S | T | 6 | 24 | S | 2.67  | 1.81  | 0.09 | 87.6  | 185.0 | 2.41  | 0.030 | 6.37 |
| Soil | B | 7/2/2013 | S | C | 1 | 36 | A | 2.20  | 4.96  | 0.06 | 53.4  | 172.0 | 1.55  | 0.150 | 6.34 |
| Soil | B | 7/2/2013 | S | C | 4 | 36 | A | 1.43  | 8.50  | 0.22 | 77.3  | 260.0 | 5.51  | 0.080 | 6.30 |
| Soil | B | 7/2/2013 | S | C | 5 | 36 | A | 3.44  | 2.60  | 0.06 | 33.5  | 166.0 | 1.89  | 0.070 | 6.06 |
| Soil | B | 7/2/2013 | S | T | 3 | 36 | S | 1.49  | 8.53  | 0.12 | 21.3  | 94.5  | 2.71  | 0.050 | 6.07 |
| Soil | B | 7/2/2013 | S | T | 5 | 36 | S | 2.34  | 5.23  | 0.10 | 6.7   | 47.9  | 2.42  | 0.040 | 6.28 |
| Soil | B | 7/2/2013 | S | T | 6 | 36 | S | 1.56  | 0.73  | 0.04 | 69.0  | 132.0 | 0.90  | 0.030 | 6.46 |
| Soil | B | 8/1/2013 | S | C | 1 | 12 | A | 16.40 | 49.20 | 0.35 | 293.0 | 633.0 | 9.48  | 0.296 | 5.81 |
| Soil | B | 8/1/2013 | S | C | 4 | 12 | A | 7.83  | 27.00 | 0.10 | 264.0 | 570.0 | 6.26  | 0.152 | 5.85 |
| Soil | B | 8/1/2013 | S | C | 5 | 12 | A | 9.11  | 37.60 | 0.28 | 276.0 | 553.0 | 5.36  | 0.203 | 5.88 |
| Soil | B | 8/1/2013 | S | T | 3 | 12 | S | 12.60 | 20.00 | 0.56 | 112.0 | 375.0 | 11.60 | 0.133 | 6.03 |
| Soil | B | 8/1/2013 | S | T | 5 | 12 | S | 15.60 | 24.00 | 0.39 | 109.0 | 357.0 | 7.53  | 0.148 | 6.13 |
| Soil | B | 8/1/2013 | S | T | 6 | 12 | S | 9.61  | 31.20 | 0.30 | 274.0 | 558.0 | 5.45  | 0.184 | 5.75 |
| Soil | B | 8/1/2013 | S | C | 1 | 24 | A | 8.84  | 7.61  | 0.21 | 150.0 | 371.0 | 4.09  | 0.106 | 5.96 |
| Soil | B | 8/1/2013 | S | C | 4 | 24 | A | 6.72  | 14.20 | 0.17 | 30.1  | 161.0 | 3.45  | 0.131 | 5.98 |
| Soil | B | 8/1/2013 | S | C | 5 | 24 | A | 5.30  | 6.20  | 0.14 | 47.9  | 214.0 | 3.26  | 0.075 | 6.07 |
| Soil | B | 8/1/2013 | S | T | 3 | 24 | S | 8.20  | 4.00  | 0.15 | 6.2   | 35.5  | 2.34  | 0.079 | 6.20 |
| Soil | B | 8/1/2013 | S | T | 5 | 24 | S | 9.58  | 3.32  | 0.18 | 30.3  | 144.0 | 4.55  | 0.060 | 6.18 |
| Soil | B | 8/1/2013 | S | T | 6 | 24 | S | 6.73  | 6.17  | 0.12 | 36.8  | 180.0 | 2.26  | 0.088 | 6.31 |
| Soil | B | 8/1/2013 | S | C | 1 | 36 | A | 4.75  | 1.39  | 0.06 | 93.4  | 88.5  | 1.14  | 0.037 | 6.38 |
| Soil | B | 8/1/2013 | S | C | 4 | 36 | A | 5.99  | 7.36  | 0.08 | 80.0  | 191.0 | 1.66  | 0.054 | 6.25 |
| Soil | B | 8/1/2013 | S | C | 5 | 36 | A | 5.44  | 3.83  | 0.10 | 8.7   | 125.0 | 3.41  | 0.085 | 5.99 |
| Soil | B | 8/1/2013 | S | T | 3 | 36 | S | 5.79  | 1.90  | 0.06 | 14.2  | 79.7  | 1.19  | 0.038 | 6.29 |
| Soil | B | 8/1/2013 | S | T | 5 | 36 | S | 6.61  | 2.17  | 0.05 | 11.2  | 58.1  | 1.62  | 0.065 | 6.05 |
| Soil | B | 8/1/2013 | S | T | 6 | 36 | S | 6.93  | 3.69  | 0.07 | 13.1  | 112.0 | 1.53  | 0.038 | 6.37 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 9/4/2013  | S | C | 1 | 12 | A | 6.77  | 20.20 | 0.47 | 279.0 | 587.0 | 10.09 | 0.097 | 6.38 |
| Soil | B | 9/4/2013  | S | C | 4 | 12 | A | 4.01  | 33.50 | 0.38 | 278.0 | 594.0 | 7.29  | 0.054 | 6.10 |
| Soil | B | 9/4/2013  | S | C | 5 | 12 | A | 4.06  | 44.40 | 0.36 | 294.0 | 553.0 | 7.36  | 0.278 | 5.80 |
| Soil | B | 9/4/2013  | S | T | 3 | 12 | S | 0.29  | 31.30 | 0.45 | 182.0 | 282.0 | 9.55  | 0.388 | 5.93 |
| Soil | B | 9/4/2013  | S | T | 5 | 12 | S | 1.17  | 12.20 | 0.39 | 18.2  | 188.0 | 7.90  | 0.268 | 5.99 |
| Soil | B | 9/4/2013  | S | T | 6 | 12 | S | 3.29  | 23.00 | 0.41 | 329.0 | 546.0 | 8.26  | 0.231 | 6.34 |
| Soil | B | 9/4/2013  | S | C | 1 | 24 | A | 3.80  | 19.60 | 0.19 | 69.2  | 178.0 | 3.95  | 0.225 | 6.11 |
| Soil | B | 9/4/2013  | S | C | 4 | 24 | A | 3.93  | 22.80 | 0.13 | 77.5  | 188.0 | 3.02  | 0.159 | 6.11 |
| Soil | B | 9/4/2013  | S | C | 5 | 24 | A | 5.23  | 40.50 | 0.27 | 75.9  | 233.0 | 5.45  | 0.286 | 5.77 |
| Soil | B | 9/4/2013  | S | T | 3 | 24 | S | 0.25  | 20.20 | 0.19 | 45.5  | 28.1  | 4.41  | 0.409 | 5.37 |
| Soil | B | 9/4/2013  | S | T | 5 | 24 | S | 1.69  | 8.08  | 0.22 | 55.1  | 188.0 | 4.93  | 0.095 | 5.91 |
| Soil | B | 9/4/2013  | S | T | 6 | 24 | S | 3.92  | 13.90 | 0.40 | 119.0 | 220.0 | 8.74  | 0.076 | 6.20 |
| Soil | B | 9/4/2013  | S | C | 1 | 36 | A | 4.20  | 30.59 | 0.08 | 34.6  | 134.0 | 1.72  | 0.187 | 6.01 |
| Soil | B | 9/4/2013  | S | C | 4 | 36 | A | 5.09  | 10.80 | 0.08 | 44.6  | 154.0 | 2.16  | 0.151 | 6.17 |
| Soil | B | 9/4/2013  | S | C | 5 | 36 | A | 5.62  | 19.10 | 0.22 | 40.2  | 234.0 | 4.38  | 0.239 | 5.90 |
| Soil | B | 9/4/2013  | S | T | 3 | 36 | S | 1.96  | 6.61  | 0.06 | 41.3  | 61.8  | 1.05  | 0.124 | 5.56 |
| Soil | B | 9/4/2013  | S | T | 5 | 36 | S | 3.07  | 8.94  | 0.17 | 25.7  | 50.0  | 4.22  | 0.058 | 6.00 |
| Soil | B | 9/4/2013  | S | T | 6 | 36 | S | 1.82  | 4.30  | 0.16 | 82.7  | 156.0 | 3.17  | 0.060 | 6.24 |
| Soil | B | 10/3/2013 | F | C | 1 | 12 | A | 8.99  | 15.00 | 0.41 | 335.0 | 331.0 | 8.17  | 0.066 | 6.10 |
| Soil | B | 10/3/2013 | F | C | 4 | 12 | A | 6.31  | 18.40 | 0.40 | 170.0 | 279.0 | 7.76  | 0.283 | 6.11 |
| Soil | B | 10/3/2013 | F | C | 5 | 12 | A | 3.81  | 36.00 | 0.40 | 135.0 | 280.0 | 8.22  | 0.273 | 5.98 |
| Soil | B | 10/3/2013 | F | T | 3 | 12 | S | 8.72  | 11.70 | 0.43 | 131.0 | 182.0 | 8.95  | 0.299 | 5.84 |
| Soil | B | 10/3/2013 | F | T | 5 | 12 | S | 15.40 | 9.35  | 0.35 | 118.0 | 144.0 | 6.63  | 0.235 | 5.98 |
| Soil | B | 10/3/2013 | F | T | 6 | 12 | S | 6.57  | 15.00 | 0.42 | 271.0 | 254.0 | 8.56  | 0.185 | 6.05 |
| Soil | B | 10/3/2013 | F | C | 1 | 24 | A | 4.63  | 31.30 | 0.19 | 72.4  | 153.8 | 4.14  | 0.241 | 5.81 |
| Soil | B | 10/3/2013 | F | C | 4 | 24 | A | 4.24  | 13.90 | 0.11 | 138.0 | 112.0 | 1.86  | 0.211 | 6.04 |
| Soil | B | 10/3/2013 | F | C | 5 | 24 | A | 2.45  | 48.60 | 0.41 | 24.9  | 73.3  | 2.27  | 0.271 | 5.59 |
| Soil | B | 10/3/2013 | F | T | 3 | 24 | S | 2.16  | 20.30 | 0.20 | 11.7  | 16.4  | 3.94  | 0.303 | 5.74 |
| Soil | B | 10/3/2013 | F | T | 5 | 24 | S | 5.31  | 10.70 | 0.28 | 7.8   | 23.6  | 5.95  | 0.202 | 5.84 |
| Soil | B | 10/3/2013 | F | T | 6 | 24 | S | 2.40  | 10.30 | 0.17 | 121.0 | 97.3  | 3.37  | 0.147 | 6.13 |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |        |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|--------|------|
| Soil | B | 10/3/2013  | F | C | 1 | 36 | A | 2.24  | 14.70 | 0.08 | 31.9  | 66.9  | 1.56 | 0.242  | 6.12 |
| Soil | B | 10/3/2013  | F | C | 4 | 36 | A | 2.09  | 8.94  | 0.07 | 76.9  | 81.3  | 1.07 | 0.096  | 6.32 |
| Soil | B | 10/3/2013  | F | C | 5 | 36 | A | 1.53  | 39.40 | 0.06 | 15.3  | 29.2  | 1.20 | 0.392  | 5.70 |
| Soil | B | 10/3/2013  | F | T | 3 | 36 | S | 2.31  | 12.00 | 0.07 | 33.7  | 30.6  | 1.11 | 0.121  | 6.01 |
| Soil | B | 10/3/2013  | F | T | 5 | 36 | S | 16.40 | 5.62  | 0.10 | 28.4  | 28.4  | 2.25 | 0.114  | 6.19 |
| Soil | B | 10/3/2013  | F | T | 6 | 36 | S | 2.92  | 9.66  | 0.10 | 57.6  | 56.5  | 0.79 | 0.080  | 6.27 |
| Soil | B | 10/23/2013 | F | C | 1 | 12 | A | 4.91  | 8.73  | 0.46 | 285.0 | 210.0 | 9.58 | 0.097  | 6.37 |
| Soil | B | 10/23/2013 | F | C | 4 | 12 | A | 8.48  | 4.17  | 0.40 | 250.0 | 418.0 | 7.34 | 0.055  | 6.40 |
| Soil | B | 10/23/2013 | F | C | 5 | 12 | A | 8.00  | 10.60 | 0.43 | 262.0 | 680.0 | 9.00 | 0.058  | 6.33 |
| Soil | B | 10/23/2013 | F | T | 3 | 12 | S | 5.31  | 23.20 | 0.36 | 171.0 | 159.0 | 7.19 | 0.081  | 6.03 |
| Soil | B | 10/23/2013 | F | T | 5 | 12 | S | 5.13  | 7.50  | 0.24 | 183.0 | 328.0 | 5.38 | 0.071  | 6.31 |
| Soil | B | 10/23/2013 | F | T | 6 | 12 | S | 5.15  | 8.50  | 0.28 | 202.0 | 211.0 | 5.51 | 0.089  | 6.19 |
| Soil | B | 10/23/2013 | F | C | 1 | 24 | A | 2.92  | 18.20 | 0.17 | 178.0 | 402.0 | 3.99 | 0.177  | 6.17 |
| Soil | B | 10/23/2013 | F | C | 4 | 24 | A | 1.41  | 1.84  | 0.09 | 130.0 | 243.0 | 1.77 | 0.043  | 6.39 |
| Soil | B | 10/23/2013 | F | C | 5 | 24 | A | 8.05  | 35.90 | 0.17 | 98.8  | 235.0 | 3.53 | 0.074  | 6.17 |
| Soil | B | 10/23/2013 | F | T | 3 | 24 | S | 6.65  | 41.30 | 0.15 | 32.0  | 120.0 | 3.16 | 0.087  | 6.05 |
| Soil | B | 10/23/2013 | F | T | 5 | 24 | S | 0.59  | 3.42  | 0.19 | 61.5  | 153.0 | 4.44 | 0.056  | 6.30 |
| Soil | B | 10/23/2013 | F | T | 6 | 24 | S | 1.78  | 17.10 | 0.17 | 150.0 | 306.0 | 3.61 | 0.064  | 6.24 |
| Soil | B | 10/23/2013 | F | C | 1 | 36 | A | 0.89  | 10.60 | 0.06 | 63.5  | 115.0 | 1.17 | 0.112  | 6.27 |
| Soil | B | 10/23/2013 | F | C | 4 | 36 | A | 0.25  | 0.79  | 0.07 | 72.4  | 132.0 | 0.82 | 35.900 | 6.61 |
| Soil | B | 10/23/2013 | F | C | 5 | 36 | A | 4.13  | 27.80 | 0.06 | 19.2  | 73.8  | 1.91 | 0.080  | 6.31 |
| Soil | B | 10/23/2013 | F | T | 3 | 36 | S | 0.31  | 11.60 | 0.09 | 48.0  | 87.8  | 1.57 | 0.064  | 6.16 |
| Soil | B | 10/23/2013 | F | T | 5 | 36 | S | 0.25  | 1.67  | 0.09 | 23.2  | 59.2  | 1.67 | 0.039  | 6.44 |
| Soil | B | 10/23/2013 | F | T | 6 | 36 | S | 4.01  | 3.95  | 0.05 | 92.8  | 148.0 | 1.01 | 0.024  | 6.16 |
| Soil | B | 11/13/2013 | F | C | 1 | 12 | A | 0.92  | 7.69  | 0.29 | 455.0 | 731.0 | 9.10 | 0.190  | 5.99 |
| Soil | B | 11/13/2013 | F | C | 4 | 12 | A | 0.25  | 3.67  | 0.14 | 299.0 | 591.0 | 5.49 | 0.130  | 6.16 |
| Soil | B | 11/13/2013 | F | C | 5 | 12 | A | 2.69  | 39.22 | 0.28 | 309.0 | 584.0 | 8.06 | 0.510  | 5.87 |
| Soil | B | 11/13/2013 | F | T | 3 | 12 | S | 0.25  | 5.72  | 0.30 | 250.0 | 417.0 | 8.59 | 0.150  | 6.15 |
| Soil | B | 11/13/2013 | F | T | 5 | 12 | S | 0.25  | 17.52 | 0.30 | 138.0 | 386.0 | 9.40 | 0.290  | 5.70 |
| Soil | B | 11/13/2013 | F | T | 6 | 12 | S | 0.25  | 3.66  | 0.27 | 327.0 | 513.0 | 8.00 | 0.160  | 5.81 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 11/13/2013 | F | C | 1 | 24 | A | 2.22 | 7.42  | 0.08 | 55.8  | 169.0 | 1.53  | 0.150 | 6.07 |
| Soil | B | 11/13/2013 | F | C | 4 | 24 | A | 1.47 | 3.97  | 0.13 | 118.0 | 306.0 | 2.66  | 0.110 | 6.10 |
| Soil | B | 11/13/2013 | F | C | 5 | 24 | A | 1.42 | 11.93 | 0.12 | 64.7  | 181.0 | 2.29  | 0.160 | 6.05 |
| Soil | B | 11/13/2013 | F | T | 3 | 24 | S | 1.06 | 3.82  | 0.03 | 45.0  | 132.0 | 3.68  | 0.120 | 6.19 |
| Soil | B | 11/13/2013 | F | T | 5 | 24 | S | 1.45 | 11.04 | 0.01 | 34.4  | 103.0 | 3.69  | 0.180 | 5.86 |
| Soil | B | 11/13/2013 | F | T | 6 | 24 | S | 0.86 | 3.05  | 0.05 | 95.5  | 191.0 | 3.44  | 0.100 | 6.12 |
| Soil | B | 11/13/2013 | F | C | 1 | 36 | A | 0.25 | 4.78  | 0.18 | 50.4  | 164.0 | 2.64  | 0.170 | 6.16 |
| Soil | B | 11/13/2013 | F | C | 4 | 36 | A | 1.87 | 3.79  | 0.05 | 104.0 | 164.0 | 1.20  | 0.120 | 6.04 |
| Soil | B | 11/13/2013 | F | C | 5 | 36 | A | 1.68 | 4.31  | 0.07 | 104.0 | 112.0 | 0.73  | 0.070 | 5.89 |
| Soil | B | 11/13/2013 | F | T | 3 | 36 | S | 0.81 | 3.36  | 0.13 | 20.0  | 72.4  | 2.32  | 0.090 | 6.06 |
| Soil | B | 11/13/2013 | F | T | 5 | 36 | S | 0.97 | 5.55  | 0.04 | 55.4  | 76.8  | 0.98  | 0.080 | 5.84 |
| Soil | B | 11/13/2013 | F | T | 6 | 36 | S | 1.19 | 2.87  | 0.09 | 50.0  | 126.0 | 1.65  | 0.100 | 6.22 |
| Soil | B | 11/25/2013 | F | C | 1 | 12 | A | 3.52 | 6.10  | 0.37 | 252.0 | 728.0 | 7.10  | 0.057 | 6.55 |
| Soil | B | 11/25/2013 | F | C | 4 | 12 | A | 4.30 | 4.45  | 0.13 | 250.0 | 618.0 | 2.15  | 0.028 | 6.57 |
| Soil | B | 11/25/2013 | F | C | 5 | 12 | A | 3.94 | 24.95 | 0.48 | 89.3  | 453.0 | 8.97  | 0.123 | 6.46 |
| Soil | B | 11/25/2013 | F | T | 3 | 12 | S | 3.23 | 9.82  | 0.42 | 183.0 | 385.0 | 8.59  | 0.099 | 6.19 |
| Soil | B | 11/25/2013 | F | T | 5 | 12 | S | 2.98 | 3.79  | 0.33 | 123.0 | 343.0 | 6.52  | 0.069 | 6.61 |
| Soil | B | 11/25/2013 | F | T | 6 | 12 | S | 3.77 | 3.08  | 0.45 | 234.0 | 414.0 | 8.56  | 0.039 | 6.45 |
| Soil | B | 11/25/2013 | F | C | 1 | 24 | A | 3.65 | 2.85  | 0.10 | 97.4  | 189.0 | 4.01  | 0.055 | 6.55 |
| Soil | B | 11/25/2013 | F | C | 4 | 24 | A | 2.87 | 2.06  | 0.02 | 51.4  | 131.0 | 0.10  | 0.033 | 6.60 |
| Soil | B | 11/25/2013 | F | C | 5 | 24 | A | 3.26 | 28.45 | 0.24 | 61.2  | 137.0 | 2.98  | 0.192 | 6.09 |
| Soil | B | 11/25/2013 | F | T | 3 | 24 | S | 3.90 | 9.69  | 0.12 | 42.1  | 162.0 | 1.73  | 0.070 | 6.02 |
| Soil | B | 11/25/2013 | F | T | 5 | 24 | S | 3.96 | 4.23  | 0.21 | 28.3  | 117.0 | 4.01  | 0.045 | 6.39 |
| Soil | B | 11/25/2013 | F | T | 6 | 24 | S | 3.39 | 2.69  | 0.32 | 28.3  | 96.9  | 5.29  | 0.071 | 6.67 |
| Soil | B | 11/25/2013 | F | C | 1 | 36 | A | 2.64 | 2.13  | 0.55 | 43.7  | 29.9  | 10.15 | 0.044 | 6.57 |
| Soil | B | 11/25/2013 | F | C | 4 | 36 | A | 2.65 | 1.87  | 0.08 | 67.3  | 57.9  | 0.80  | 0.015 | 6.60 |
| Soil | B | 11/25/2013 | F | C | 5 | 36 | A | 2.07 | 5.75  | 0.50 | 69.1  | 57.7  | 9.13  | 0.054 | 6.31 |
| Soil | B | 11/25/2013 | F | T | 3 | 36 | S | 3.23 | 5.48  | 0.29 | 18.9  | 68.8  | 5.13  | 0.028 | 6.17 |
| Soil | B | 11/25/2013 | F | T | 5 | 36 | S | 4.10 | 7.25  | 0.44 | 0.2   | 5.9   | 8.46  | 0.040 | 6.33 |
| Soil | B | 11/25/2013 | F | T | 6 | 36 | S | 3.64 | 6.10  | 0.70 | 11.3  | 94.2  | 13.82 | 0.060 | 6.25 |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 12/16/2013 | F | C | 1 | 12 | A | 0.25  | 23.98 | 0.50 | 209.8 | 755.9 | 9.88 | 0.037 | 6.29 |
| Soil | B | 12/16/2013 | F | C | 4 | 12 | A | 1.35  | 17.48 | 0.42 | 165.1 | 571.9 | 7.83 | 0.056 | 6.17 |
| Soil | B | 12/16/2013 | F | C | 5 | 12 | A | 1.01  | 16.98 | 0.33 | 171.1 | 554.2 | 6.26 | 0.049 | 6.08 |
| Soil | B | 12/16/2013 | F | T | 3 | 12 | S | 0.12  | 31.34 | 0.47 | 128.1 | 364.4 | 9.21 | 0.008 | 6.09 |
| Soil | B | 12/16/2013 | F | T | 5 | 12 | S | 1.03  | 21.03 | 0.35 | 102.3 | 316.4 | 6.81 | 0.013 | 6.38 |
| Soil | B | 12/16/2013 | F | T | 6 | 12 | S | 1.36  | 13.18 | 0.37 | 182.6 | 554.2 | 6.86 | 0.069 | 5.82 |
| Soil | B | 12/16/2013 | F | C | 1 | 24 | A | 0.89  | 10.59 | 0.33 | 152.6 | 297.9 | 6.81 | 0.034 | 6.33 |
| Soil | B | 12/16/2013 | F | C | 4 | 24 | A | 1.11  | 8.07  | 0.20 | 97.0  | 178.7 | 3.38 | 0.038 | 6.08 |
| Soil | B | 12/16/2013 | F | C | 5 | 24 | A | 8.57  | 9.02  | 0.15 | 15.8  | 139.2 | 2.86 | 0.029 | 6.46 |
| Soil | B | 12/16/2013 | F | T | 3 | 24 | S | 1.25  | 45.79 | 0.25 | 6.1   | 66.0  | 5.78 | 0.063 | 5.97 |
| Soil | B | 12/16/2013 | F | T | 5 | 24 | S | 1.68  | 12.93 | 0.28 | 29.9  | 83.5  | 5.53 | 0.017 | 6.14 |
| Soil | B | 12/16/2013 | F | T | 6 | 24 | S | 1.33  | 14.82 | 0.24 | 45.8  | 222.3 | 4.59 | 0.063 | 6.27 |
| Soil | B | 12/16/2013 | F | C | 1 | 36 | A | 1.42  | 11.56 | 0.10 | 14.5  | 106.9 | 1.48 | 0.044 | 6.38 |
| Soil | B | 12/16/2013 | F | C | 4 | 36 | A | 1.21  | 7.04  | 0.06 | 88.0  | 79.9  | 0.66 | 0.014 | 6.12 |
| Soil | B | 12/16/2013 | F | C | 5 | 36 | A | 1.74  | 7.87  | 0.12 | 10.8  | 76.9  | 2.12 | 0.050 | 6.38 |
| Soil | B | 12/16/2013 | F | T | 3 | 36 | S | 1.51  | 18.53 | 0.11 | 4.7   | 36.0  | 2.19 | 0.052 | 6.01 |
| Soil | B | 12/16/2013 | F | T | 5 | 36 | S | 1.07  | 13.18 | 0.19 | 2.5   | 15.3  | 4.31 | 0.032 | 5.87 |
| Soil | B | 12/16/2013 | F | T | 6 | 36 | S | 1.96  | 7.43  | 0.11 | 7.5   | 80.6  | 1.86 | 0.034 | 6.49 |
| Soil | B | 1/13/2014  | W | C | 1 | 12 | A | 6.62  | 4.09  | 0.36 | 404.0 | 639.0 | 7.31 | 0.090 | 6.45 |
| Soil | B | 1/13/2014  | W | C | 4 | 12 | A | 8.30  | 2.90  | 0.30 | 315.0 | 631.0 | 5.76 | 0.090 | 6.49 |
| Soil | B | 1/13/2014  | W | C | 5 | 12 | A | 11.40 | 3.55  | 0.49 | 322.0 | 653.0 | 9.95 | 0.120 | 6.44 |
| Soil | B | 1/13/2014  | W | T | 3 | 12 | S | 6.41  | 8.77  | 0.38 | 224.0 | 457.0 | 7.41 | 0.080 | 6.49 |
| Soil | B | 1/13/2014  | W | T | 5 | 12 | S | 6.25  | 2.95  | 0.29 | 107.0 | 300.0 | 5.65 | 0.110 | 6.71 |
| Soil | B | 1/13/2014  | W | T | 6 | 12 | S | 8.62  | 3.19  | 0.31 | 303.0 | 608.0 | 6.38 | 0.040 | 6.57 |
| Soil | B | 1/13/2014  | W | C | 1 | 24 | A | 7.00  | 3.02  | 0.21 | 282.0 | 426.0 | 4.10 | 0.090 | 6.15 |
| Soil | B | 1/13/2014  | W | C | 4 | 24 | A | 5.82  | 1.40  | 0.20 | 180.0 | 386.0 | 3.95 | 0.040 | 6.23 |
| Soil | B | 1/13/2014  | W | C | 5 | 24 | A | 5.88  | 2.35  | 0.16 | 53.8  | 296.0 | 2.97 | 0.090 | 6.39 |
| Soil | B | 1/13/2014  | W | T | 3 | 24 | S | 5.04  | 4.89  | 0.18 | 24.2  | 141.0 | 3.59 | 0.120 | 6.12 |
| Soil | B | 1/13/2014  | W | T | 5 | 24 | S | 4.65  | 2.27  | 0.18 | 6.5   | 110.0 | 4.30 | 0.080 | 6.24 |
| Soil | B | 1/13/2014  | W | T | 6 | 24 | S | 4.94  | 1.47  | 0.15 | 66.4  | 298.0 | 2.79 | 0.060 | 6.25 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 1/13/2014 | W | C | 1 | 36 | A | 3.68  | 0.92  | 0.06 | 103.0 | 142.0 | 0.63 | 0.040 | 6.45 |
| Soil | B | 1/13/2014 | W | C | 4 | 36 | A | 2.81  | 0.50  | 0.07 | 67.2  | 117.0 | 1.20 | 0.060 | 6.20 |
| Soil | B | 1/13/2014 | W | C | 5 | 36 | A | 3.88  | 1.86  | 0.09 | 14.9  | 76.6  | 1.85 | 0.060 | 6.47 |
| Soil | B | 1/13/2014 | W | T | 3 | 36 | S | 4.29  | 3.08  | 0.12 | 15.1  | 87.4  | 1.98 | 0.060 | 6.20 |
| Soil | B | 1/13/2014 | W | T | 5 | 36 | S | 3.28  | 2.21  | 0.13 | 5.6   | 35.9  | 3.06 | 0.070 | 6.16 |
| Soil | B | 1/13/2014 | W | T | 6 | 36 | S | 4.99  | 3.45  | 0.08 | 29.9  | 105.0 | 1.16 | 0.030 | 6.38 |
| Soil | B | 1/31/2014 | W | C | 1 | 12 | A | 8.60  | 8.30  | 0.46 | 303.0 | 645.0 | 8.66 | 0.090 | 6.34 |
| Soil | B | 1/31/2014 | W | C | 4 | 12 | A | 9.47  | 13.60 | 0.46 | 419.0 | 349.0 | 8.14 | 0.090 | 6.18 |
| Soil | B | 1/31/2014 | W | C | 5 | 12 | A | 9.12  | 2.55  | 0.42 | 361.0 | 310.0 | 7.42 | 0.030 | 6.27 |
| Soil | B | 1/31/2014 | W | T | 3 | 12 | S | 8.97  | 6.59  | 0.44 | 162.0 | 378.0 | 8.70 | 0.110 | 6.28 |
| Soil | B | 1/31/2014 | W | T | 5 | 12 | S | 6.94  | 5.28  | 0.45 | 209.0 | 193.0 | 8.45 | 0.090 | 6.33 |
| Soil | B | 1/31/2014 | W | T | 6 | 12 | S | 12.10 | 9.26  | 0.30 | 405.0 | 251.0 | 5.97 | 0.080 | 5.94 |
| Soil | B | 1/31/2014 | W | C | 1 | 24 | A | 7.85  | 5.73  | 0.31 | 246.0 | 350.0 | 5.73 | 0.040 | 6.17 |
| Soil | B | 1/31/2014 | W | C | 4 | 24 | A | 7.51  | 4.81  | 0.24 | 153.0 | 168.0 | 4.29 | 0.090 | 6.09 |
| Soil | B | 1/31/2014 | W | C | 5 | 24 | A | 5.44  | 2.12  | 0.18 | 155.0 | 141.0 | 3.02 | 0.040 | 6.20 |
| Soil | B | 1/31/2014 | W | T | 3 | 24 | S | 4.82  | 7.56  | 0.22 | 32.5  | 41.5  | 4.19 | 0.130 | 6.04 |
| Soil | B | 1/31/2014 | W | T | 5 | 24 | S | 7.01  | 5.08  | 0.21 | 37.4  | 62.9  | 4.50 | 0.040 | 6.19 |
| Soil | B | 1/31/2014 | W | T | 6 | 24 | S | 6.04  | 3.33  | 0.21 | 167.0 | 137.0 | 3.77 | 0.060 | 6.23 |
| Soil | B | 1/31/2014 | W | C | 1 | 36 | A | 2.99  | 0.82  | 0.08 | 36.8  | 40.0  | 0.55 | 0.030 | 6.52 |
| Soil | B | 1/31/2014 | W | C | 4 | 36 | A | 3.41  | 1.85  | 0.11 | 79.8  | 89.2  | 1.59 | 0.060 | 6.29 |
| Soil | B | 1/31/2014 | W | C | 5 | 36 | A | 4.08  | 1.84  | 0.09 | 81.5  | 68.9  | 1.00 | 0.030 | 6.24 |
| Soil | B | 1/31/2014 | W | T | 3 | 36 | S | 5.00  | 5.01  | 0.11 | 45.0  | 51.5  | 1.64 | 0.040 | 6.09 |
| Soil | B | 1/31/2014 | W | T | 5 | 36 | S | 5.67  | 2.83  | 0.15 | 40.8  | 43.8  | 2.94 | 0.040 | 6.23 |
| Soil | B | 1/31/2014 | W | T | 6 | 36 | S | 3.04  | 1.12  | 0.09 | 66.9  | 28.7  | 1.30 | 0.040 | 6.33 |
| Soil | B | 3/6/2014  | W | C | 1 | 12 | A | 5.55  | 4.26  | 0.49 | 479.4 | 672.2 | 8.30 | 0.041 | 6.42 |
| Soil | B | 3/6/2014  | W | C | 4 | 12 | A | 11.67 | 6.88  | 0.42 | 380.8 | 702.6 | 8.42 | 0.071 | 6.53 |
| Soil | B | 3/6/2014  | W | C | 5 | 12 | A | 6.20  | 4.48  | 0.40 | 348.8 | 523.6 | 7.08 | 0.077 | 6.60 |
| Soil | B | 3/6/2014  | W | T | 3 | 12 | S | 7.28  | 2.38  | 0.41 | 235.4 | 134.6 | 7.86 | 0.076 | 6.52 |
| Soil | B | 3/6/2014  | W | T | 5 | 12 | S | 6.47  | 2.76  | 0.36 | 151.3 | 314.6 | 6.75 | 0.050 | 6.65 |
| Soil | B | 3/6/2014  | W | T | 6 | 12 | S | 7.67  | 2.72  | 0.24 | 343.2 | 463.0 | 4.59 | 0.053 | 6.56 |

|      |   |           |   |   |   |    |   |      |      |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|------|------|------|-------|-------|-------|-------|------|
| Soil | B | 3/6/2014  | W | C | 1 | 24 | A | 5.07 | 4.29 | 0.09 | 188.8 | 361.8 | 4.29  | 0.059 | 6.40 |
| Soil | B | 3/6/2014  | W | C | 4 | 24 | A | 4.13 | 9.96 | 0.18 | 117.2 | 243.6 | 2.73  | 0.098 | 6.43 |
| Soil | B | 3/6/2014  | W | C | 5 | 24 | A | 7.55 | 3.95 | 0.17 | 86.8  | 171.8 | 2.53  | 0.060 | 6.41 |
| Soil | B | 3/6/2014  | W | T | 3 | 24 | S | 3.25 | 1.61 | 0.17 | 43.9  | 77.2  | 3.23  | 0.046 | 6.57 |
| Soil | B | 3/6/2014  | W | T | 5 | 24 | S | 6.69 | 1.70 | 0.33 | 55.4  | 150.3 | 6.33  | 0.027 | 6.51 |
| Soil | B | 3/6/2014  | W | T | 6 | 24 | S | 3.92 | 1.17 | 0.14 | 69.9  | 118.1 | 2.65  | 0.045 | 6.45 |
| Soil | B | 3/6/2014  | W | C | 1 | 36 | A | 3.13 | 3.22 | 0.12 | 75.6  | 133.4 | 1.69  | 0.027 | 6.52 |
| Soil | B | 3/6/2014  | W | C | 4 | 36 | A | 2.95 | 1.77 | 0.10 | 87.0  | 143.7 | 0.93  | 0.042 | 6.66 |
| Soil | B | 3/6/2014  | W | C | 5 | 36 | A | 2.78 | 2.71 | 0.09 | 42.8  | 117.4 | 1.24  | 0.071 | 6.51 |
| Soil | B | 3/6/2014  | W | T | 3 | 36 | S | 3.24 | 1.49 | 0.10 | 7.7   | 58.9  | 1.46  | 0.064 | 6.56 |
| Soil | B | 3/6/2014  | W | T | 5 | 36 | S | 4.29 | 3.21 | 0.15 | 21.8  | 43.7  | 2.90  | 0.055 | 6.38 |
| Soil | B | 3/6/2014  | W | T | 6 | 36 | S | 4.48 | 1.05 | 0.08 | 59.7  | 76.9  | 1.38  | 0.035 | 6.55 |
| Soil | B | 3/31/2014 | W | C | 1 | 12 | A | 2.22 | 3.00 | 0.52 | 201.5 | 625.0 | 9.75  | 0.147 | 6.38 |
| Soil | B | 3/31/2014 | W | C | 4 | 12 | A | 1.71 | 1.97 | 0.36 | 173.2 | 667.4 | 6.43  | 0.130 | 6.44 |
| Soil | B | 3/31/2014 | W | C | 5 | 12 | A | 2.71 | 2.90 | 0.38 | 146.6 | 578.1 | 7.08  | 0.114 | 6.46 |
| Soil | B | 3/31/2014 | W | T | 3 | 12 | S | 3.03 | 6.73 | 0.53 | 149.0 | 415.9 | 10.45 | 0.184 | 6.25 |
| Soil | B | 3/31/2014 | W | T | 5 | 12 | S | 2.89 | 2.98 | 0.45 | 126.8 | 310.8 | 8.49  | 0.130 | 6.51 |
| Soil | B | 3/31/2014 | W | T | 6 | 12 | S | 3.82 | 4.80 | 0.42 | 278.7 | 533.5 | 5.00  | 0.149 | 6.34 |
| Soil | B | 3/31/2014 | W | C | 1 | 24 | A | 1.44 | 1.54 | 0.23 | 218.2 | 384.2 | 4.14  | 0.109 | 6.41 |
| Soil | B | 3/31/2014 | W | C | 4 | 24 | A | 1.73 | 2.29 | 0.23 | 149.1 | 242.1 | 4.11  | 0.136 | 6.36 |
| Soil | B | 3/31/2014 | W | C | 5 | 24 | A | 2.08 | 1.10 | 0.15 | 102.2 | 201.9 | 2.96  | 0.123 | 6.42 |
| Soil | B | 3/31/2014 | W | T | 3 | 24 | S | 1.50 | 1.22 | 0.16 | 66.3  | 65.5  | 2.88  | 0.082 | 6.31 |
| Soil | B | 3/31/2014 | W | T | 5 | 24 | S | 1.43 | 1.69 | 0.19 | 25.4  | 111.5 | 3.46  | 0.112 | 6.60 |
| Soil | B | 3/31/2014 | W | T | 6 | 24 | S | 2.00 | 2.20 | 0.25 | 130.2 | 205.2 | 4.80  | 0.119 | 6.58 |
| Soil | B | 3/31/2014 | W | C | 1 | 36 | A | 1.46 | 1.03 | 0.08 | 34.0  | 148.8 | 0.93  | 0.065 | 6.59 |
| Soil | B | 3/31/2014 | W | C | 4 | 36 | A | 1.14 | 1.36 | 0.10 | 38.1  | 119.7 | 1.28  | 0.095 | 6.55 |
| Soil | B | 3/31/2014 | W | C | 5 | 36 | A | 1.47 | 2.20 | 0.11 | 85.1  | 102.0 | 2.75  | 0.111 | 6.41 |
| Soil | B | 3/31/2014 | W | T | 3 | 36 | S | 1.65 | 0.46 | 0.10 | 48.8  | 63.2  | 1.46  | 0.081 | 6.29 |
| Soil | B | 3/31/2014 | W | T | 5 | 36 | S | 1.23 | 1.13 | 0.12 | 28.8  | 39.5  | 2.18  | 0.098 | 6.59 |
| Soil | B | 3/31/2014 | W | T | 6 | 36 | S | 1.49 | 1.16 | 0.15 | 19.3  | 86.9  | 3.40  | 0.094 | 6.52 |

|      |   |           |    |   |   |    |   |      |       |      |       |       |      |       |        |
|------|---|-----------|----|---|---|----|---|------|-------|------|-------|-------|------|-------|--------|
| Soil | B | 4/22/2014 | SP | C | 1 | 12 | A | 2.82 | 10.59 | 0.46 | 331.5 | 192.9 | 9.34 | 0.185 | 6.19   |
| Soil | B | 4/22/2014 | SP | C | 4 | 12 | A | 2.84 | 5.47  | 0.49 | 276.8 | 250.8 | 9.79 | 0.135 | 6.45   |
| Soil | B | 4/22/2014 | SP | C | 5 | 12 | A | 2.55 | 3.61  | 0.38 | 301.6 | 259.4 | 7.47 | 0.130 | 6.26   |
| Soil | B | 4/22/2014 | SP | T | 3 | 12 | S | 3.85 | 24.39 | 0.30 | 172.2 | 123.4 | 6.12 | 0.185 | 6.15   |
| Soil | B | 4/22/2014 | SP | T | 5 | 12 | S | 2.64 | 5.36  | 0.35 | 161.6 | 167.5 | 7.07 | 0.133 | 6.58   |
| Soil | B | 4/22/2014 | SP | T | 6 | 12 | S | 3.67 | 5.62  | 0.39 | 262.2 | 200.1 | 7.82 | 0.106 | 5.96   |
| Soil | B | 4/22/2014 | SP | C | 1 | 24 | A | 1.57 | 4.31  | 0.24 | 172.8 | 234.7 | 5.07 | 0.119 | 6.36   |
| Soil | B | 4/22/2014 | SP | C | 4 | 24 | A | 1.94 | 3.62  | 0.16 | 161.3 | 137.7 | 3.42 | 0.091 | 6.33   |
| Soil | B | 4/22/2014 | SP | C | 5 | 24 | A | 1.58 | 1.51  | 0.17 | 118.3 | 177.4 | 4.10 | 0.087 | 6.40   |
| Soil | B | 4/22/2014 | SP | T | 3 | 24 | S | 1.18 | 19.10 | 0.19 | 54.3  | 83.8  | 4.11 | 0.273 | 5.95   |
| Soil | B | 4/22/2014 | SP | T | 5 | 24 | S | 2.10 | 2.07  | 0.27 | 100.0 | 91.5  | 6.58 | 0.095 | 6.55   |
| Soil | B | 4/22/2014 | SP | T | 6 | 24 | S | 2.40 | 4.32  | 0.35 | 159.4 | 153.2 | 9.99 | 0.097 | 6.44   |
| Soil | B | 4/22/2014 | SP | C | 1 | 36 | A | 1.54 | 3.31  | 0.07 | 68.0  | 52.1  | 1.41 | 0.068 | 6.60   |
| Soil | B | 4/22/2014 | SP | C | 4 | 36 | A | 1.38 | 1.86  | 0.16 | 79.2  | 70.0  | 0.96 | 0.057 | 6.49   |
| Soil | B | 4/22/2014 | SP | C | 5 | 36 | A | 0.82 | 1.83  | 0.07 | 49.7  | 48.7  | 2.02 | 0.068 | 6.42   |
| Soil | B | 4/22/2014 | SP | T | 3 | 36 | S | 0.90 | 3.66  | 0.08 | 54.3  | 43.4  | 1.64 | 0.072 | 6.23   |
| Soil | B | 4/22/2014 | SP | T | 5 | 36 | S | 1.74 | 2.35  | 0.12 | 24.2  | 23.2  | 3.30 | 0.094 | 6.47   |
| Soil | B | 4/22/2014 | SP | T | 6 | 36 | S | 2.73 | 22.50 | 0.40 | 59.0  | 22.6  | 5.89 | 0.075 | 6.41   |
| Soil | B | 5/21/2014 | SP | T | 3 | 12 | A | 1.90 | 15.95 | 0.53 | 165.2 | 367.4 | 6.91 | 0.209 | 6.16   |
| Soil | B | 5/21/2014 | SP | T | 5 | 12 | A | 1.56 | 4.66  | 0.53 | 136.9 | 228.5 | 6.36 | 0.102 | 136.90 |
| Soil | B | 5/21/2014 | SP | T | 6 | 12 | A | 1.66 | 9.05  | 0.43 | 302.0 | 411.0 | 6.07 | 0.167 | 6.38   |
| Soil | B | 5/21/2014 | SP | C | 1 | 12 | S | 1.64 | 7.58  | 0.60 | 392.2 | 519.4 | 7.03 | 0.235 | 6.38   |
| Soil | B | 5/21/2014 | SP | C | 4 | 12 | S | 1.67 | 8.97  | 0.42 | 243.9 | 441.7 | 3.45 | 0.183 | 6.42   |
| Soil | B | 5/21/2014 | SP | C | 5 | 12 | S | 2.04 | 9.60  | 0.62 | 313.8 | 368.7 | 5.43 | 0.198 | 6.41   |
| Soil | B | 5/21/2014 | SP | T | 3 | 24 | A | 1.10 | 7.69  | 0.29 | 44.6  | 99.9  | 2.97 | 0.227 | 6.26   |
| Soil | B | 5/21/2014 | SP | T | 5 | 24 | A | 0.93 | 2.04  | 0.32 | 14.7  | 43.7  | 2.72 | 0.106 | 6.68   |
| Soil | B | 5/21/2014 | SP | T | 6 | 24 | A | 1.22 | 1.93  | 0.21 | 103.1 | 165.7 | 2.45 | 0.095 | 6.65   |
| Soil | B | 5/21/2014 | SP | C | 1 | 24 | S | 2.54 | 9.35  | 0.26 | 224.4 | 302.2 | 3.83 | 0.187 | 6.48   |
| Soil | B | 5/21/2014 | SP | C | 4 | 24 | S | 0.93 | 2.47  | 0.30 | 71.6  | 115.6 | 1.26 | 0.095 | 6.67   |
| Soil | B | 5/21/2014 | SP | C | 5 | 24 | S | 1.13 | 5.43  | 0.46 | 143.9 | 193.3 | 3.45 | 0.113 | 6.58   |

|      |   |           |    |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | B | 5/21/2014 | SP | T | 3 | 36 | A | 1.11 | 5.00  | 0.22 | 38.5  | 79.6  | 1.34 | 0.107 | 6.62 |
| Soil | B | 5/21/2014 | SP | T | 5 | 36 | A | 1.24 | 1.07  | 0.23 | 33.0  | 54.0  | 0.83 | 0.080 | 6.64 |
| Soil | B | 5/21/2014 | SP | T | 6 | 36 | A | 1.30 | 1.00  | 0.18 | 51.0  | 65.8  | 0.76 | 0.061 | 6.65 |
| Soil | B | 5/21/2014 | SP | C | 1 | 36 | S | 0.84 | 1.32  | 0.24 | 77.5  | 136.1 | 1.19 | 0.091 | 6.70 |
| Soil | B | 5/21/2014 | SP | C | 4 | 36 | S | 1.01 | 1.28  | 0.54 | 82.6  | 96.6  | 0.48 | 0.057 | 6.63 |
| Soil | B | 5/21/2014 | SP | C | 5 | 36 | S | 1.24 | 1.32  | 0.35 | 69.5  | 98.1  | 1.22 | 0.090 | 6.62 |
| Soil | B | 6/25/2014 | SP | T | 3 | 12 | A | 2.85 | 33.91 | 0.42 | 180.7 | 296.1 | 7.90 | 0.431 | 5.66 |
| Soil | B | 6/25/2014 | SP | T | 5 | 12 | A | 3.78 | 7.54  | 0.37 | 157.1 | 250.6 | 7.13 | 0.146 | 6.01 |
| Soil | B | 6/25/2014 | SP | T | 6 | 12 | A | 3.39 | 8.13  | 0.30 | 229.5 | 343.1 | 5.65 | 0.170 | 5.65 |
| Soil | B | 6/25/2014 | SP | C | 1 | 12 | S | 4.32 | 9.80  | 0.49 | 221.9 | 401.3 | 9.47 | 0.206 | 5.72 |
| Soil | B | 6/25/2014 | SP | C | 4 | 12 | S | 3.88 | 11.20 | 0.32 | 318.6 | 482.0 | 5.97 | 0.241 | 5.85 |
| Soil | B | 6/25/2014 | SP | C | 5 | 12 | S | 4.32 | 9.12  | 0.32 | 291.9 | 452.1 | 6.01 | 0.160 | 5.94 |
| Soil | B | 6/25/2014 | SP | T | 3 | 24 | A | 1.51 | 12.55 | 0.12 | 43.5  | 70.1  | 1.89 | 0.242 | 5.93 |
| Soil | B | 6/25/2014 | SP | T | 5 | 24 | A | 2.12 | 2.99  | 0.18 | 31.8  | 76.4  | 3.90 | 0.109 | 5.90 |
| Soil | B | 6/25/2014 | SP | T | 6 | 24 | A | 1.61 | 3.87  | 0.13 | 127.4 | 197.3 | 2.28 | 0.101 | 6.00 |
| Soil | B | 6/25/2014 | SP | C | 1 | 24 | S | 1.95 | 3.48  | 0.13 | 88.6  | 131.0 | 1.92 | 0.102 | 5.98 |
| Soil | B | 6/25/2014 | SP | C | 4 | 24 | S | 1.51 | 2.78  | 0.12 | 94.5  | 172.6 | 1.98 | 0.102 | 5.99 |
| Soil | B | 6/25/2014 | SP | C | 5 | 24 | S | 2.56 | 4.03  | 0.15 | 88.3  | 142.0 | 2.27 | 0.101 | 6.04 |
| Soil | B | 6/25/2014 | SP | T | 3 | 36 | A | 2.78 | 11.06 | 0.11 | 53.6  | 95.5  | 1.62 | 0.213 | 6.04 |
| Soil | B | 6/25/2014 | SP | T | 5 | 36 | A | 1.88 | 2.88  | 0.15 | 13.0  | 27.9  | 2.79 | 0.084 | 5.91 |
| Soil | B | 6/25/2014 | SP | T | 6 | 36 | A | 1.51 | 3.91  | 0.07 | 22.2  | 60.1  | 0.98 | 0.065 | 6.28 |
| Soil | B | 6/25/2014 | SP | C | 1 | 36 | S | 1.83 | 2.63  | 0.11 | 71.3  | 118.7 | 1.55 | 0.096 | 6.02 |
| Soil | B | 6/25/2014 | SP | C | 4 | 36 | S | 1.91 | 2.03  | 0.09 | 45.3  | 60.0  | 1.48 | 0.082 | 6.02 |
| Soil | B | 6/25/2014 | SP | C | 5 | 36 | S | 1.50 | 2.41  | 0.10 | 63.0  | 84.2  | 1.21 | 0.079 | 6.05 |
| Soil | B | 7/16/2014 | S  | T | 3 | 12 | A | 2.73 | 29.07 | 0.43 | 102.2 | 378.5 | 8.54 | 0.252 | 5.64 |
| Soil | B | 7/16/2014 | S  | T | 5 | 12 | A | 2.71 | 12.71 | 0.26 | 99.1  | 249.9 | 5.19 | 0.163 | 5.96 |
| Soil | B | 7/16/2014 | S  | T | 6 | 12 | A | 2.75 | 11.83 | 0.29 | 231.4 | 473.2 | 5.67 | 0.140 | 5.74 |
| Soil | B | 7/16/2014 | S  | C | 1 | 12 | S | 3.47 | 12.68 | 0.43 | 327.5 | 620.1 | 8.74 | 0.170 | 5.81 |
| Soil | B | 7/16/2014 | S  | C | 4 | 12 | S | 2.35 | 16.64 | 0.29 | 190.3 | 438.9 | 5.50 | 0.230 | 5.79 |
| Soil | B | 7/16/2014 | S  | C | 5 | 12 | S | 2.26 | 18.94 | 0.27 | 203.1 | 444.9 | 5.93 | 0.088 | 5.93 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | B | 7/16/2014 | S | T | 3 | 24 | A | 1.83  | 12.35 | 0.08 | 8.5   | 39.8  | 1.47 | 0.141 | 5.88 |
| Soil | B | 7/16/2014 | S | T | 5 | 24 | A | 2.11  | 5.93  | 0.25 | 16.1  | 52.3  | 5.53 | 0.091 | 6.14 |
| Soil | B | 7/16/2014 | S | T | 6 | 24 | A | 1.68  | 5.75  | 0.12 | 54.2  | 226.7 | 2.41 | 0.090 | 5.88 |
| Soil | B | 7/16/2014 | S | C | 1 | 24 | S | 1.50  | 4.63  | 0.18 | 49.0  | 233.2 | 4.07 | 0.092 | 6.02 |
| Soil | B | 7/16/2014 | S | C | 4 | 24 | S | 2.46  | 7.31  | 0.17 | 35.7  | 173.1 | 3.37 | 0.085 | 5.91 |
| Soil | B | 7/16/2014 | S | C | 5 | 24 | S | 1.76  | 10.81 | 0.10 | 21.5  | 145.7 | 1.92 | 0.087 | 6.05 |
| Soil | B | 7/16/2014 | S | T | 3 | 36 | A | 2.37  | 5.58  | 0.07 | 9.8   | 53.8  | 1.48 | 0.071 | 5.93 |
| Soil | B | 7/16/2014 | S | T | 5 | 36 | A | 1.32  | 4.22  | 0.07 | 8.0   | 33.0  | 1.60 | 0.040 | 6.29 |
| Soil | B | 7/16/2014 | S | T | 6 | 36 | A | 2.21  | 4.69  | 0.11 | 17.0  | 104.9 | 2.83 | 0.070 | 5.96 |
| Soil | B | 7/16/2014 | S | C | 1 | 36 | S | 2.91  | 5.19  | 0.10 | 18.4  | 116.5 | 2.25 | 0.061 | 5.78 |
| Soil | B | 7/16/2014 | S | C | 4 | 36 | S | 1.74  | 6.27  | 0.07 | 31.4  | 90.6  | 0.69 | 0.050 | 5.84 |
| Soil | B | 7/16/2014 | S | C | 5 | 36 | S | 1.24  | 6.17  | 0.07 | 91.0  | 177.6 | 1.41 | 0.060 | 6.22 |
| Soil | B | 8/19/2014 | S | C | 1 | 12 | S | 12.18 | 15.00 | 0.20 | 256.5 | 370.5 | 5.58 | 0.165 | 5.91 |
| Soil | B | 8/19/2014 | S | C | 4 | 12 | S | 10.97 | 15.10 | 0.39 | 148.9 | 345.7 | 7.34 | 0.182 | 5.97 |
| Soil | B | 8/19/2014 | S | C | 5 | 12 | S | 9.21  | 25.71 | 0.27 | 159.2 | 393.6 | 5.21 | 0.256 | 5.83 |
| Soil | B | 8/19/2014 | S | T | 3 | 12 | A | 6.01  | 25.22 | 0.44 | 142.2 | 297.7 | 9.53 | 0.305 | 5.86 |
| Soil | B | 8/19/2014 | S | T | 5 | 12 | A | 3.11  | 10.49 | 0.23 | 135.3 | 248.2 | 5.92 | 0.125 | 5.89 |
| Soil | B | 8/19/2014 | S | T | 6 | 12 | A | 2.45  | 20.83 | 0.36 | 195.7 | 317.3 | 6.42 | 0.243 | 5.94 |
| Soil | B | 8/19/2014 | S | C | 1 | 24 | S | 9.49  | 5.76  | 0.29 | 130.3 | 268.8 | 5.24 | 0.098 | 5.96 |
| Soil | B | 8/19/2014 | S | C | 4 | 24 | S | 4.75  | 7.84  | 0.18 | 55.0  | 109.9 | 2.96 | 0.094 | 6.01 |
| Soil | B | 8/19/2014 | S | C | 5 | 24 | S | 4.63  | 11.03 | 0.12 | 30.8  | 84.0  | 1.59 | 0.101 | 6.19 |
| Soil | B | 8/19/2014 | S | T | 3 | 24 | A | 5.46  | 30.58 | 0.22 | 22.7  | 54.6  | 2.37 | 0.212 | 5.79 |
| Soil | B | 8/19/2014 | S | T | 5 | 24 | A | 5.59  | 2.42  | 0.09 | 46.6  | 57.6  | 1.22 | 0.055 | 5.96 |
| Soil | B | 8/19/2014 | S | T | 6 | 24 | A | 4.59  | 5.12  | 0.12 | 65.9  | 79.4  | 0.93 | 0.053 | 5.64 |
| Soil | B | 8/19/2014 | S | C | 1 | 36 | S | 11.36 | 3.43  | 0.16 | 43.9  | 171.6 | 2.73 | 0.076 | 6.01 |
| Soil | B | 8/19/2014 | S | C | 4 | 36 | S | 3.85  | 4.44  | 0.12 | 37.9  | 95.0  | 1.59 | 0.081 | 5.86 |
| Soil | B | 8/19/2014 | S | C | 5 | 36 | S | 3.60  | 4.73  | 0.08 | 38.3  | 100.3 | 1.10 | 0.063 | 6.29 |
| Soil | B | 8/19/2014 | S | T | 3 | 36 | A | 2.66  | 31.40 | 0.10 | 14.8  | 36.7  | 1.69 | 0.293 | 5.69 |
| Soil | B | 8/19/2014 | S | T | 5 | 36 | A | 7.63  | 2.17  | 0.09 | 11.1  | 53.9  | 1.14 | 0.058 | 5.98 |
| Soil | B | 8/19/2014 | S | T | 6 | 36 | A | 3.71  | 2.89  | 0.07 | 38.5  | 68.3  | 0.68 | 0.040 | 5.68 |

|      |   |           |   |   |   |    |   |      |        |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|------|--------|------|-------|-------|------|-------|------|
| Soil | B | 9/15/2014 | S | C | 1 | 12 | S | 3.75 | 72.99  | 0.47 | 402.3 | 627.6 | 8.88 | 0.589 | 5.91 |
| Soil | B | 9/15/2014 | S | C | 4 | 12 | S | 2.43 | 42.90  | 0.38 | 303.8 | 494.1 | 6.92 | 0.374 | 5.72 |
| Soil | B | 9/15/2014 | S | C | 5 | 12 | S | 3.48 | 31.33  | 0.43 | 374.5 | 607.2 | 7.73 | 0.300 | 5.83 |
| Soil | B | 9/15/2014 | S | T | 3 | 12 | A | 5.37 | 106.20 | 0.36 | 188.5 | 521.0 | 9.57 | 0.624 | 5.88 |
| Soil | B | 9/15/2014 | S | T | 5 | 12 | A | 2.14 | 5.04   | 0.31 | 89.4  | 208.3 | 6.15 | 0.166 | 6.04 |
| Soil | B | 9/15/2014 | S | T | 6 | 12 | A | 3.29 | 68.49  | 0.28 | 165.5 | 388.0 | 5.63 | 0.541 | 6.05 |
| Soil | B | 9/15/2014 | S | C | 1 | 24 | S | 1.87 | 12.45  | 0.36 | 97.7  | 225.7 | 2.64 | 0.170 | 6.07 |
| Soil | B | 9/15/2014 | S | C | 4 | 24 | S | 1.47 | 7.95   | 0.16 | 54.9  | 137.9 | 2.51 | 0.085 | 5.91 |
| Soil | B | 9/15/2014 | S | C | 5 | 24 | S | 2.07 | 22.36  | 0.18 | 153.2 | 219.6 | 2.83 | 0.175 | 5.76 |
| Soil | B | 9/15/2014 | S | T | 3 | 24 | A | 2.14 | 23.18  | 0.23 | 19.4  | 121.4 | 2.83 | 0.202 | 5.84 |
| Soil | B | 9/15/2014 | S | T | 5 | 24 | A | 1.52 | 1.10   | 0.18 | 10.4  | 13.8  | 4.21 | 0.081 | 6.09 |
| Soil | B | 9/15/2014 | S | T | 6 | 24 | A | 1.50 | 20.11  | 0.17 | 21.2  | 83.9  | 3.83 | 0.198 | 6.21 |
| Soil | B | 9/15/2014 | S | C | 1 | 36 | S | 2.56 | 4.78   | 0.14 | 85.1  | 152.1 | 2.20 | 0.108 | 6.14 |
| Soil | B | 9/15/2014 | S | C | 4 | 36 | S | 1.64 | 1.77   | 0.11 | 42.0  | 83.2  | 1.66 | 0.063 | 5.99 |
| Soil | B | 9/15/2014 | S | C | 5 | 36 | S | 1.23 | 12.69  | 0.15 | 64.6  | 102.9 | 1.51 | 0.119 | 5.82 |
| Soil | B | 9/15/2014 | S | T | 3 | 36 | A | 1.66 | 12.74  | 0.14 | 52.5  | 78.2  | 1.98 | 0.118 | 5.90 |
| Soil | B | 9/15/2014 | S | T | 5 | 36 | A | 1.57 | 0.32   | 0.01 | 3.8   | 7.5   | 4.96 | 0.071 | 6.12 |
| Soil | B | 9/15/2014 | S | T | 6 | 36 | A | 1.82 | 8.56   | 0.10 | 9.8   | 83.1  | 2.11 | 0.131 | 6.29 |
| Soil | B | 10/8/2014 | F | C | 1 | 12 | S | 3.83 | 49.08  | 0.41 | 480.6 | 845.7 | 8.27 | 0.577 | 5.50 |
| Soil | B | 10/8/2014 | F | C | 4 | 12 | S | 3.23 | 7.28   | 0.37 | 422.3 | 677.1 | 7.44 | 0.380 | 5.99 |
| Soil | B | 10/8/2014 | F | C | 5 | 12 | S | 2.99 | 16.56  | 0.44 | 424.7 | 724.6 | 7.68 | 0.182 | 6.18 |
| Soil | B | 10/8/2014 | F | T | 3 | 12 | A | 4.23 | 1.27   | 0.42 | 395.9 | 503.0 | 8.04 | 0.617 | 5.83 |
| Soil | B | 10/8/2014 | F | T | 5 | 12 | A | 1.53 | 6.03   | 0.26 | 166.1 | 267.3 | 5.26 | 0.388 | 5.81 |
| Soil | B | 10/8/2014 | F | T | 6 | 12 | A | 3.10 | 6.94   | 0.29 | 293.7 | 431.9 | 5.26 | 0.352 | 5.84 |
| Soil | B | 10/8/2014 | F | C | 1 | 24 | S | 2.76 | 6.51   | 0.17 | 161.5 | 354.1 | 3.05 | 0.148 | 5.86 |
| Soil | B | 10/8/2014 | F | C | 4 | 24 | S | 2.14 | 6.28   | 0.24 | 87.7  | 238.3 | 4.61 | 0.107 | 5.83 |
| Soil | B | 10/8/2014 | F | C | 5 | 24 | S | 1.48 | 3.97   | 0.13 | 120.0 | 254.1 | 2.27 | 0.172 | 6.03 |
| Soil | B | 10/8/2014 | F | T | 3 | 24 | A | 2.79 | 8.00   | 0.19 | 65.1  | 90.4  | 3.80 | 0.177 | 5.72 |
| Soil | B | 10/8/2014 | F | T | 5 | 24 | A | 2.61 | 1.10   | 0.33 | 32.9  | 81.0  | 6.93 | 0.096 | 6.08 |
| Soil | B | 10/8/2014 | F | T | 6 | 24 | A | 1.26 | 5.41   | 0.14 | 79.6  | 150.1 | 2.92 | 0.112 | 6.07 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | B | 10/8/2014  | F | C | 1 | 36 | S | 1.15 | 2.65  | 0.09 | 125.3 | 187.1 | 1.13 | 0.083 | 5.92 |
| Soil | B | 10/8/2014  | F | C | 4 | 36 | S | 2.06 | 3.63  | 0.16 | 18.1  | 55.8  | 3.05 | 0.217 | 5.99 |
| Soil | B | 10/8/2014  | F | C | 5 | 36 | S | 1.88 | 4.59  | 0.12 | 122.1 | 206.3 | 1.86 | 0.102 | 6.23 |
| Soil | B | 10/8/2014  | F | T | 3 | 36 | A | 1.88 | 6.27  | 0.11 | 40.6  | 43.7  | 1.77 | 0.102 | 5.74 |
| Soil | B | 10/8/2014  | F | T | 5 | 36 | A | 2.07 | 0.25  | 0.17 | 2.8   | 26.2  | 4.05 | 0.080 | 6.05 |
| Soil | B | 10/8/2014  | F | T | 6 | 36 | A | 1.39 | 0.96  | 0.10 | 48.3  | 108.7 | 1.57 | 0.083 | 6.05 |
| Soil | B | 10/24/2014 | F | C | 1 | 12 | S | 4.56 | 11.95 | 0.33 | 462.9 | 732.0 | 6.57 | 0.333 | 5.77 |
| Soil | B | 10/24/2014 | F | C | 4 | 12 | S | 2.00 | 11.58 | 0.23 | 321.1 | 539.0 | 4.34 | 0.212 | 5.70 |
| Soil | B | 10/24/2014 | F | C | 5 | 12 | S | 2.06 | 26.26 | 0.24 | 207.4 | 363.6 | 4.66 | 0.193 | 5.99 |
| Soil | B | 10/24/2014 | F | T | 3 | 12 | A | 2.58 | 18.41 | 0.34 | 214.2 | 329.8 | 6.31 | 0.396 | 5.67 |
| Soil | B | 10/24/2014 | F | T | 5 | 12 | A | 9.52 | 32.65 | 0.43 | 175.9 | 348.0 | 8.18 | 0.298 | 5.75 |
| Soil | B | 10/24/2014 | F | T | 6 | 12 | A | 3.97 | 0.97  | 0.35 | 319.1 | 527.1 | 6.51 | 0.203 | 6.07 |
| Soil | B | 10/24/2014 | F | C | 1 | 24 | S | 1.93 | 19.92 | 0.19 | 84.7  | 178.7 | 3.96 | 0.282 | 6.01 |
| Soil | B | 10/24/2014 | F | C | 4 | 24 | S | 1.54 | 6.48  | 0.15 | 141.9 | 269.0 | 2.36 | 0.201 | 5.89 |
| Soil | B | 10/24/2014 | F | C | 5 | 24 | S | 2.19 | 48.68 | 0.13 | 15.2  | 149.8 | 2.30 | 0.202 | 6.01 |
| Soil | B | 10/24/2014 | F | T | 3 | 24 | A | 1.77 | 15.35 | 0.14 | 26.9  | 73.4  | 2.80 | 0.340 | 5.75 |
| Soil | B | 10/24/2014 | F | T | 5 | 24 | A | 1.14 | 46.84 | 0.18 | 13.4  | 63.3  | 3.07 | 0.373 | 5.65 |
| Soil | B | 10/24/2014 | F | T | 6 | 24 | A | 2.30 | 5.26  | 0.13 | 115.6 | 212.2 | 2.34 | 0.084 | 6.19 |
| Soil | B | 10/24/2014 | F | C | 1 | 36 | S | 1.89 | 2.62  | 0.12 | 66.9  | 179.7 | 2.00 | 0.139 | 6.14 |
| Soil | B | 10/24/2014 | F | C | 4 | 36 | S | 1.53 | 2.56  | 0.13 | 203.1 | 227.2 | 1.84 | 0.087 | 5.88 |
| Soil | B | 10/24/2014 | F | C | 5 | 36 | S | 1.37 | 27.80 | 0.19 | 48.7  | 217.6 | 2.82 | 0.208 | 6.06 |
| Soil | B | 10/24/2014 | F | T | 3 | 36 | A | 0.61 | 8.69  | 0.11 | 33.6  | 55.3  | 1.50 | 0.218 | 5.93 |
| Soil | B | 10/24/2014 | F | T | 5 | 36 | A | 1.16 | 45.85 | 0.12 | 12.1  | 46.8  | 1.91 | 0.411 | 5.60 |
| Soil | B | 10/24/2014 | F | T | 6 | 36 | A | 0.68 | 10.31 | 0.10 | 121.3 | 191.4 | 1.55 | 0.187 | 6.01 |
| Soil | B | 11/7/2014  | F | C | 1 | 12 | S | 8.85 | 11.49 | 0.32 | 316.3 | 703.0 | 6.16 | 0.144 | 6.12 |
| Soil | B | 11/7/2014  | F | C | 4 | 12 | S | 2.70 | 4.98  | 0.20 | 152.2 | 405.5 | 1.88 | 0.128 | 5.97 |
| Soil | B | 11/7/2014  | F | C | 5 | 12 | S | 4.18 | 5.38  | 0.37 | 181.0 | 451.0 | 2.04 | 0.149 | 6.03 |
| Soil | B | 11/7/2014  | F | T | 3 | 12 | A | 3.32 | 11.65 | 0.29 | 125.9 | 313.0 | 6.26 | 0.184 | 5.85 |
| Soil | B | 11/7/2014  | F | T | 5 | 12 | A | 6.04 | 7.76  | 0.40 | 115.8 | 287.9 | 7.72 | 0.163 | 6.10 |
| Soil | B | 11/7/2014  | F | T | 6 | 12 | A | 8.19 | 8.31  | 0.32 | 195.5 | 483.1 | 6.25 | 0.205 | 5.88 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 11/7/2014  | F | C | 1 | 24 | S | 2.40 | 34.08 | 0.15 | 8.0   | 93.4  | 2.03  | 0.255 | 6.03 |
| Soil | B | 11/7/2014  | F | C | 4 | 24 | S | 2.58 | 1.06  | 0.09 | 99.9  | 256.6 | 1.40  | 0.136 | 6.13 |
| Soil | B | 11/7/2014  | F | C | 5 | 24 | S | 2.20 | 0.92  | 0.12 | 114.1 | 238.7 | 0.61  | 0.134 | 6.09 |
| Soil | B | 11/7/2014  | F | T | 3 | 24 | A | 2.29 | 15.06 | 0.10 | 2.1   | 60.8  | 2.03  | 0.144 | 5.99 |
| Soil | B | 11/7/2014  | F | T | 5 | 24 | A | 4.24 | 10.76 | 0.23 | 30.2  | 86.1  | 5.11  | 0.239 | 5.92 |
| Soil | B | 11/7/2014  | F | T | 6 | 24 | A | 3.30 | 10.31 | 0.14 | 20.1  | 160.7 | 2.76  | 0.151 | 5.68 |
| Soil | B | 11/7/2014  | F | C | 1 | 36 | S | 2.95 | 36.55 | 0.09 | 10.8  | 108.7 | 6.12  | 0.300 | 5.79 |
| Soil | B | 11/7/2014  | F | C | 4 | 36 | S | 1.75 | 0.57  | 0.07 | 88.1  | 140.4 | 7.56  | 0.108 | 5.97 |
| Soil | B | 11/7/2014  | F | C | 5 | 36 | S | 2.52 | 1.64  | 0.05 | 78.2  | 119.8 | 10.16 | 0.095 | 6.08 |
| Soil | B | 11/7/2014  | F | T | 3 | 36 | A | 3.01 | 19.55 | 0.06 | 5.0   | 59.1  | 1.39  | 0.239 | 5.77 |
| Soil | B | 11/7/2014  | F | T | 5 | 36 | A | 3.37 | 16.82 | 0.11 | 10.3  | 41.2  | 2.45  | 0.180 | 6.01 |
| Soil | B | 11/7/2014  | F | T | 6 | 36 | A | 3.14 | 11.71 | 0.10 | 15.4  | 95.9  | 1.79  | 0.142 | 5.96 |
| Soil | B | 11/24/2014 | F | C | 1 | 12 | S | 3.16 | 8.41  | 0.34 | 319.8 | 594.6 | 6.73  | 0.162 | 5.96 |
| Soil | B | 11/24/2014 | F | C | 4 | 12 | S | 4.18 | 12.48 | 0.23 | 292.3 | 565.6 | 4.36  | 0.149 | 6.21 |
| Soil | B | 11/24/2014 | F | C | 5 | 12 | S | 1.89 | 13.65 | 0.30 | 224.9 | 355.4 | 5.90  | 0.170 | 5.88 |
| Soil | B | 11/24/2014 | F | T | 3 | 12 | A | 2.91 | 32.66 | 0.45 | 154.7 | 311.1 | 8.91  | 0.276 | 5.87 |
| Soil | B | 11/24/2014 | F | T | 5 | 12 | A | 3.94 | 5.51  | 0.42 | 153.8 | 291.5 | 7.81  | 0.163 | 5.97 |
| Soil | B | 11/24/2014 | F | T | 6 | 12 | A | 4.59 | 14.49 | 0.28 | 241.2 | 432.4 | 5.33  | 0.291 | 5.92 |
| Soil | B | 11/24/2014 | F | C | 1 | 24 | S | 2.00 | 22.08 | 0.14 | 75.9  | 150.3 | 3.29  | 0.298 | 5.95 |
| Soil | B | 11/24/2014 | F | C | 4 | 24 | S | 1.30 | 12.33 | 0.08 | 25.2  | 135.7 | 1.99  | 0.147 | 5.92 |
| Soil | B | 11/24/2014 | F | C | 5 | 24 | S | 1.42 | 12.01 | 0.08 | 57.9  | 113.6 | 1.17  | 0.116 | 6.32 |
| Soil | B | 11/24/2014 | F | T | 3 | 24 | A | 2.04 | 48.38 | 0.18 | 30.3  | 102.4 | 4.10  | 0.343 | 5.59 |
| Soil | B | 11/24/2014 | F | T | 5 | 24 | A | 1.75 | 4.31  | 0.11 | 28.2  | 62.8  | 1.64  | 0.133 | 6.06 |
| Soil | B | 11/24/2014 | F | T | 6 | 24 | A | 1.86 | 9.68  | 0.16 | 53.2  | 146.3 | 2.98  | 0.140 | 5.90 |
| Soil | B | 11/24/2014 | F | C | 1 | 36 | S | 1.99 | 43.61 | 0.11 | 27.3  | 64.6  | 2.46  | 0.337 | 5.89 |
| Soil | B | 11/24/2014 | F | C | 4 | 36 | S | 1.52 | 12.85 | 0.13 | 66.0  | 123.5 | 4.29  | 0.138 | 6.12 |
| Soil | B | 11/24/2014 | F | C | 5 | 36 | S | 1.44 | 7.98  | 0.07 | 39.1  | 159.1 | 0.99  | 0.102 | 6.15 |
| Soil | B | 11/24/2014 | F | T | 3 | 36 | A | 1.87 | 30.04 | 0.10 | 11.8  | 35.7  | 2.03  | 0.417 | 5.51 |
| Soil | B | 11/24/2014 | F | T | 5 | 36 | A | 1.49 | 7.10  | 0.10 | 26.3  | 73.0  | 1.38  | 0.140 | 6.25 |
| Soil | B | 11/24/2014 | F | T | 6 | 36 | A | 1.46 | 13.11 | 0.14 | 27.7  | 102.5 | 2.43  | 0.131 | 6.11 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | B | 12/22/2014 | F | C | 1 | 12 | S | 2.23 | 7.13  | 0.42 | 360.7 | 663.4 | 7.76 | 0.114 | 5.88 |
| Soil | B | 12/22/2014 | F | C | 4 | 12 | S | 3.26 | 7.95  | 0.38 | 301.5 | 658.7 | 7.10 | 0.146 | 5.66 |
| Soil | B | 12/22/2014 | F | C | 5 | 12 | S | 3.33 | 5.66  | 0.30 | 247.2 | 550.6 | 6.05 | 0.154 | 5.88 |
| Soil | B | 12/22/2014 | F | T | 3 | 12 | A | 2.91 | 8.49  | 0.40 | 221.0 | 433.5 | 7.67 | 0.143 | 5.73 |
| Soil | B | 12/22/2014 | F | T | 5 | 12 | A | 2.43 | 6.07  | 0.50 | 179.5 | 345.2 | 9.29 | 0.138 | 5.82 |
| Soil | B | 12/22/2014 | F | T | 6 | 12 | A | 1.90 | 5.47  | 0.27 | 231.8 | 491.1 | 5.02 | 0.081 | 5.63 |
| Soil | B | 12/22/2014 | F | C | 1 | 24 | S | 2.88 | 6.00  | 0.19 | 72.0  | 294.2 | 3.31 | 0.121 | 5.58 |
| Soil | B | 12/22/2014 | F | C | 4 | 24 | S | 2.19 | 0.66  | 0.17 | 41.0  | 219.7 | 2.97 | 0.123 | 5.66 |
| Soil | B | 12/22/2014 | F | C | 5 | 24 | S | 1.59 | 1.97  | 0.19 | 110.5 | 339.0 | 4.50 | 0.097 | 5.84 |
| Soil | B | 12/22/2014 | F | T | 3 | 24 | A | 2.01 | 10.98 | 0.18 | 10.1  | 76.0  | 3.57 | 0.142 | 5.60 |
| Soil | B | 12/22/2014 | F | T | 5 | 24 | A | 1.98 | 10.77 | 0.14 | 19.1  | 72.6  | 2.33 | 0.121 | 5.63 |
| Soil | B | 12/22/2014 | F | T | 6 | 24 | A | 1.80 | 14.12 | 0.16 | 78.3  | 214.3 | 2.72 | 0.083 | 5.30 |
| Soil | B | 12/22/2014 | F | C | 1 | 36 | S | 2.35 | 9.67  | 0.14 | 60.4  | 160.5 | 2.28 | 0.064 | 5.79 |
| Soil | B | 12/22/2014 | F | C | 4 | 36 | S | 1.89 | 1.05  | 0.11 | 41.0  | 160.7 | 1.26 | 0.104 | 5.75 |
| Soil | B | 12/22/2014 | F | C | 5 | 36 | S | 1.33 | 1.86  | 0.14 | 53.6  | 175.3 | 2.57 | 0.071 | 5.88 |
| Soil | B | 12/22/2014 | F | T | 3 | 36 | A | 1.78 | 9.07  | 0.10 | 7.0   | 80.0  | 1.59 | 0.098 | 5.63 |
| Soil | B | 12/22/2014 | F | T | 5 | 36 | A | 1.78 | 4.62  | 0.13 | 8.2   | 30.6  | 2.21 | 0.064 | 6.08 |
| Soil | B | 12/22/2014 | F | T | 6 | 36 | A | 1.66 | 15.78 | 0.10 | 30.5  | 121.0 | 1.55 | 0.129 | 5.78 |
| Soil | B | 1/20/2015  | W | C | 1 | 12 | S | 5.62 | 14.98 | 0.31 | 382.6 | 483.1 | 5.81 | 0.113 | 6.09 |
| Soil | B | 1/20/2015  | W | C | 4 | 12 | S | 5.16 | 7.45  | 0.34 | 394.7 | 521.4 | 6.20 | 0.107 | 6.15 |
| Soil | B | 1/20/2015  | W | C | 5 | 12 | S | 5.22 | 7.60  | 0.27 | 362.8 | 375.1 | 5.27 | 0.078 | 6.10 |
| Soil | B | 1/20/2015  | W | T | 3 | 12 | A | 5.75 | 8.84  | 0.42 | 327.4 | 454.4 | 8.28 | 0.123 | 6.34 |
| Soil | B | 1/20/2015  | W | T | 5 | 12 | A | 5.47 | 11.42 | 0.27 | 260.1 | 258.8 | 4.67 | 0.086 | 6.23 |
| Soil | B | 1/20/2015  | W | T | 6 | 12 | A | 7.30 | 12.42 | 0.42 | 374.7 | 442.0 | 7.05 | 0.120 | 6.27 |
| Soil | B | 1/20/2015  | W | C | 1 | 24 | S | 1.89 | 5.53  | 0.16 | 135.8 | 148.7 | 2.77 | 0.080 | 6.34 |
| Soil | B | 1/20/2015  | W | C | 4 | 24 | S | 2.55 | 6.09  | 0.12 | 134.1 | 124.6 | 1.80 | 0.053 | 6.35 |
| Soil | B | 1/20/2015  | W | C | 5 | 24 | S | 3.32 | 7.15  | 0.09 | 104.5 | 96.8  | 1.44 | 0.038 | 6.35 |
| Soil | B | 1/20/2015  | W | T | 3 | 24 | A | 2.73 | 4.24  | 0.28 | 37.9  | 59.9  | 6.90 | 0.096 | 6.09 |
| Soil | B | 1/20/2015  | W | T | 5 | 24 | A | 1.35 | 1.88  | 0.13 | 82.0  | 68.6  | 1.79 | 0.030 | 6.56 |
| Soil | B | 1/20/2015  | W | T | 6 | 24 | A | 3.19 | 12.68 | 0.13 | 100.6 | 111.0 | 2.26 | 0.046 | 6.46 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | B | 1/20/2015 | W | C | 1 | 36 | S | 2.02  | 2.52  | 0.12 | 81.7  | 113.3 | 1.82  | 0.056 | 6.46 |
| Soil | B | 1/20/2015 | W | C | 4 | 36 | S | 2.82  | 5.37  | 0.09 | 86.1  | 77.6  | 1.38  | 0.061 | 6.37 |
| Soil | B | 1/20/2015 | W | C | 5 | 36 | S | 5.19  | 5.85  | 0.10 | 40.3  | 73.4  | 1.53  | 0.041 | 6.34 |
| Soil | B | 1/20/2015 | W | T | 3 | 36 | A | 5.80  | 5.02  | 0.16 | 22.3  | 32.7  | 4.11  | 0.077 | 5.88 |
| Soil | B | 1/20/2015 | W | T | 5 | 36 | A | 1.46  | 3.55  | 0.08 | 58.7  | 52.5  | 1.29  | 0.026 | 6.63 |
| Soil | B | 1/20/2015 | W | T | 6 | 36 | A | 7.30  | 11.42 | 0.10 | 61.8  | 106.1 | 1.71  | 0.053 | 6.48 |
| Soil | B | 2/18/2015 | W | C | 1 | 12 | S | 2.54  | 6.52  | 0.26 | 431.8 | 441.8 | 5.84  | 0.099 | 5.93 |
| Soil | B | 2/18/2015 | W | C | 4 | 12 | S | 2.52  | 15.75 | 0.24 | 382.5 | 433.4 | 5.10  | 0.090 | 6.02 |
| Soil | B | 2/18/2015 | W | C | 5 | 12 | S | 2.45  | 12.20 | 0.24 | 447.3 | 464.7 | 4.74  | 0.090 | 6.01 |
| Soil | B | 2/18/2015 | W | T | 3 | 12 | A | 2.78  | 1.76  | 0.29 | 401.2 | 383.7 | 6.02  | 0.113 | 6.15 |
| Soil | B | 2/18/2015 | W | T | 5 | 12 | A | 1.95  | 1.85  | 0.22 | 276.8 | 272.0 | 4.61  | 0.089 | 6.18 |
| Soil | B | 2/18/2015 | W | T | 6 | 12 | A | 3.94  | 2.42  | 0.54 | 451.8 | 521.9 | 6.65  | 0.114 | 5.78 |
| Soil | B | 2/18/2015 | W | C | 1 | 24 | S | 1.93  | 1.97  | 0.13 | 200.5 | 219.9 | 2.67  | 0.076 | 6.23 |
| Soil | B | 2/18/2015 | W | C | 4 | 24 | S | 1.66  | 6.38  | 0.16 | 178.6 | 241.5 | 2.98  | 0.075 | 6.09 |
| Soil | B | 2/18/2015 | W | C | 5 | 24 | S | 2.10  | 3.50  | 0.15 | 272.7 | 336.6 | 2.82  | 0.067 | 6.12 |
| Soil | B | 2/18/2015 | W | T | 3 | 24 | A | 1.96  | 3.96  | 0.18 | 219.5 | 144.4 | 3.84  | 0.098 | 6.11 |
| Soil | B | 2/18/2015 | W | T | 5 | 24 | A | 2.63  | 1.40  | 0.41 | 177.8 | 185.5 | 10.04 | 0.093 | 5.96 |
| Soil | B | 2/18/2015 | W | T | 6 | 24 | A | 1.42  | 1.43  | 0.13 | 111.9 | 190.0 | 2.03  | 0.080 | 6.03 |
| Soil | B | 2/18/2015 | W | C | 1 | 36 | S | 1.51  | 1.91  | 0.12 | 108.5 | 161.4 | 2.38  | 0.074 | 6.32 |
| Soil | B | 2/18/2015 | W | C | 4 | 36 | S | 1.35  | 5.33  | 0.10 | 158.9 | 246.0 | 1.99  | 0.054 | 6.20 |
| Soil | B | 2/18/2015 | W | C | 5 | 36 | S | 0.63  | 3.23  | 0.09 | 105.2 | 96.2  | 1.24  | 0.022 | 6.52 |
| Soil | B | 2/18/2015 | W | T | 3 | 36 | A | 2.23  | 1.67  | 0.11 | 88.4  | 113.0 | 2.43  | 0.083 | 6.15 |
| Soil | B | 2/18/2015 | W | T | 5 | 36 | A | 2.15  | 0.40  | 0.16 | 52.0  | 58.9  | 4.33  | 0.073 | 5.66 |
| Soil | B | 2/18/2015 | W | T | 6 | 36 | A | 1.44  | 0.92  | 0.08 | 128.3 | 148.1 | 1.04  | 0.067 | 6.18 |
| Soil | B | 2/23/2015 | W | C | 1 | 12 | S | 4.96  | 10.73 | 0.54 | 383.9 | 614.4 | 10.43 | 0.263 | 6.01 |
| Soil | B | 2/23/2015 | W | C | 4 | 12 | S | 4.28  | 5.84  | 0.19 | 188.6 | 488.6 | 3.60  | 0.196 | 6.04 |
| Soil | B | 2/23/2015 | W | C | 5 | 12 | S | 3.72  | 15.70 | 0.47 | 298.2 | 646.8 | 8.80  | 0.281 | 6.26 |
| Soil | B | 2/23/2015 | W | T | 3 | 12 | A | 11.76 | 14.69 | 0.39 | 202.6 | 413.4 | 8.24  | 0.148 | 5.92 |
| Soil | B | 2/23/2015 | W | T | 5 | 12 | A | 8.34  | 6.99  | 0.33 | 154.1 | 366.6 | 6.18  | 0.160 | 5.97 |
| Soil | B | 2/23/2015 | W | T | 6 | 12 | A | 4.10  | 5.59  | 0.45 | 238.7 | 449.0 | 3.38  | 0.167 | 6.14 |

|               |             |             |               |             |            |              |            |            |            |           |           |           |           |           |           |
|---------------|-------------|-------------|---------------|-------------|------------|--------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Soil          | B           | 2/23/2015   | W             | C           | 1          | 24           | S          | 3.20       | 3.49       | 0.20      | 59.9      | 221.2     | 3.56      | 0.164     | 6.20      |
| Soil          | B           | 2/23/2015   | W             | C           | 4          | 24           | S          | 1.85       | 2.42       | 0.12      | 45.3      | 189.9     | 2.62      | 0.122     | 6.26      |
| Soil          | B           | 2/23/2015   | W             | C           | 5          | 24           | S          | 1.76       | 5.76       | 0.15      | 100.6     | 222.8     | 3.57      | 0.060     | 6.06      |
| Soil          | B           | 2/23/2015   | W             | T           | 3          | 24           | A          | 3.07       | 2.15       | 0.18      | 12.1      | 33.6      | 3.91      | 0.103     | 5.98      |
| Soil          | B           | 2/23/2015   | W             | T           | 5          | 24           | A          | 3.37       | 2.64       | 0.15      | 47.4      | 149.4     | 2.83      | 0.099     | 6.21      |
| Soil          | B           | 2/23/2015   | W             | T           | 6          | 24           | A          | 3.17       | 2.47       | 0.14      | 40.3      | 106.1     | 2.49      | 0.078     | 6.32      |
| Soil          | B           | 2/23/2015   | W             | C           | 1          | 36           | S          | 2.24       | 3.93       | 0.10      | 55.9      | 162.1     | 2.13      | 0.116     | 6.26      |
| Soil          | B           | 2/23/2015   | W             | C           | 4          | 36           | S          | 1.65       | 1.75       | 0.08      | 41.1      | 136.2     | 1.10      | 0.071     | 6.24      |
| Soil          | B           | 2/23/2015   | W             | C           | 5          | 36           | S          | 2.27       | 1.68       | 0.06      | 56.3      | 561.1     | 1.04      | 0.068     | 6.21      |
| Soil          | B           | 2/23/2015   | W             | T           | 3          | 36           | A          | 4.92       | 2.60       | 0.16      | 6.0       | 58.2      | 3.24      | 0.069     | 6.06      |
| Soil          | B           | 2/23/2015   | W             | T           | 5          | 36           | A          | 3.87       | 2.19       | 0.13      | 13.6      | 60.7      | 2.31      | 0.070     | 6.29      |
| Soil          | B           | 2/23/2015   | W             | T           | 6          | 36           | A          | 3.51       | 1.94       | 0.13      | 30.3      | 101.5     | 2.41      | 0.077     | 6.45      |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Plot</b> | <b>Loc</b> | <b>Depth</b> | <b>Trt</b> | <b>NH3</b> | <b>NO3</b> | <b>TN</b> | <b>P1</b> | <b>P2</b> | <b>OM</b> | <b>EC</b> | <b>pH</b> |
| Soil          | C           | 9/28/2012   | S             | T           | 1          | 12           | A          | 3.46       | 3.27       | 0.33      | 46.1      | 359.5     | 6.82      | 0.928     | 6.02      |
| Soil          | C           | 9/28/2012   | S             | T           | 1          | 24           | A          | 2.76       | 1.07       | 0.09      | 6.4       | 106.5     | 2.13      | 0.651     | 6.04      |
| Soil          | C           | 9/28/2012   | S             | T           | 1          | 36           | A          | 1.30       | 0.94       | 0.04      | 36.4      | 119.6     | 1.05      | 0.376     | 5.99      |
| Soil          | C           | 9/28/2012   | S             | T           | 2          | 12           | A          | 2.95       | 5.09       | 0.45      | 130.7     | 665.1     | 9.49      | 0.191     | 6.46      |
| Soil          | C           | 9/28/2012   | S             | T           | 2          | 24           | A          | 2.25       | 2.01       | 0.14      | 10.5      | 130.9     | 3.46      | 0.991     | 6.16      |
| Soil          | C           | 9/28/2012   | S             | T           | 2          | 36           | A          | 1.90       | 1.42       | 0.03      | 6.5       | 83.0      | 1.63      | 0.891     | 6.12      |
| Soil          | C           | 9/28/2012   | S             | T           | 3          | 12           | A          | 2.41       | 3.82       | 0.41      | 99.2      | 554.4     | 8.29      | 0.145     | 6.25      |
| Soil          | C           | 9/28/2012   | S             | T           | 3          | 24           | A          | 2.02       | 1.08       | 0.12      | 7.3       | 100.7     | 3.35      | 0.228     | 6.16      |
| Soil          | C           | 9/28/2012   | S             | T           | 3          | 36           | A          | 1.75       | 15.54      | 0.05      | 12.5      | 92.6      | 2.65      | 0.743     | 5.87      |
| Soil          | C           | 9/28/2012   | S             | T           | 4          | 12           | A          | 2.45       | 5.09       | 0.38      | 82.8      | 544.6     | 7.66      | 0.177     | 6.60      |
| Soil          | C           | 9/28/2012   | S             | T           | 4          | 24           | A          | 1.84       | 0.91       | 0.13      | 1.4       | 53.4      | 4.19      | 0.736     | 6.66      |
| Soil          | C           | 9/28/2012   | S             | T           | 4          | 36           | A          | 1.50       | 2.63       | 0.04      | 18.5      | 125.3     | 1.46      | 0.585     | 6.53      |
| Soil          | C           | 9/28/2012   | S             | T           | 5          | 12           | A          | 3.14       | 3.48       | 0.43      | 125.4     | 174.7     | 8.61      | 0.559     | 6.23      |
| Soil          | C           | 9/28/2012   | S             | T           | 5          | 24           | A          | 1.53       | 1.34       | 0.13      | 19.2      | 319.6     | 2.95      | 0.830     | 6.24      |
| Soil          | C           | 9/28/2012   | S             | T           | 5          | 36           | A          | 1.26       | 1.72       | 0.01      | 26.8      | 159.6     | 1.01      | 0.194     | 6.16      |
| Soil          | C           | 9/28/2012   | S             | T           | 6          | 12           | A          | 1.43       | 2.92       | 0.47      | 232.6     | 826.9     | 9.20      | 0.630     | 6.17      |
| Soil          | C           | 9/28/2012   | S             | T           | 6          | 24           | A          | 1.91       | 1.09       | 0.14      | 76.8      | 555.8     | 3.47      | 0.484     | 6.21      |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | C | 9/28/2012  | S | T | 6 | 36 | A | 1.16  | 1.14  | 0.05 | 89.5  | 392.6 | 2.01 | 0.438 | 6.31 |
| Soil | C | 9/28/2012  | S | C | 1 | 12 | S | 3.76  | 6.06  | 0.44 | 102.4 | 254.6 | 8.59 | 0.620 | 5.96 |
| Soil | C | 9/28/2012  | S | C | 1 | 24 | S | 3.24  | 3.59  | 0.16 | 6.1   | 103.1 | 3.45 | 0.411 | 5.98 |
| Soil | C | 9/28/2012  | S | C | 1 | 36 | S | 2.65  | 2.85  | 0.04 | 11.5  | 151.7 | 0.81 | 0.335 | 5.90 |
| Soil | C | 9/28/2012  | S | C | 2 | 12 | S | 4.42  | 3.61  | 0.46 | 106.5 | 335.5 | 8.92 | 0.935 | 6.10 |
| Soil | C | 9/28/2012  | S | C | 2 | 24 | S | 2.76  | 3.16  | 0.12 | 3.9   | 106.0 | 2.78 | 0.510 | 6.21 |
| Soil | C | 9/28/2012  | S | C | 2 | 36 | S | 2.65  | 3.90  | 0.03 | 25.6  | 142.1 | 0.59 | 0.446 | 6.16 |
| Soil | C | 9/28/2012  | S | C | 3 | 12 | S | 2.52  | 3.22  | 0.34 | 48.5  | 275.9 | 7.28 | 0.450 | 5.73 |
| Soil | C | 9/28/2012  | S | C | 3 | 24 | S | 1.91  | 1.03  | 0.13 | 0.9   | 86.6  | 3.35 | 0.330 | 5.83 |
| Soil | C | 9/28/2012  | S | C | 3 | 36 | S | 2.92  | 0.83  | 0.05 | 5.2   | 89.3  | 1.65 | 0.420 | 5.77 |
| Soil | C | 9/28/2012  | S | C | 4 | 12 | S | 3.52  | 2.31  | 0.46 | 91.1  | 517.9 | 9.43 | 0.520 | 6.26 |
| Soil | C | 9/28/2012  | S | C | 4 | 24 | S | 2.87  | 0.95  | 0.13 | 1.4   | 73.5  | 3.27 | 0.593 | 6.20 |
| Soil | C | 9/28/2012  | S | C | 4 | 36 | S | 2.21  | 1.01  | 0.02 | 16.6  | 164.3 | 0.78 | 0.440 | 6.14 |
| Soil | C | 9/28/2012  | S | C | 5 | 12 | S | 3.14  | 2.26  | 0.34 | 65.3  | 503.0 | 7.28 | 0.850 | 6.28 |
| Soil | C | 9/28/2012  | S | C | 5 | 24 | S | 1.79  | 1.28  | 0.08 | 7.6   | 155.6 | 2.19 | 0.199 | 6.13 |
| Soil | C | 9/28/2012  | S | C | 5 | 36 | S | 1.53  | 1.82  | 0.04 | 5.9   | 83.1  | 1.16 | 0.320 | 5.89 |
| Soil | C | 9/28/2012  | S | C | 6 | 12 | S | 3.69  | 2.20  | 0.32 | 75.2  | 458.1 | 6.84 | 0.953 | 6.29 |
| Soil | C | 9/28/2012  | S | C | 6 | 24 | S | 2.79  | 0.39  | 0.12 | 10.9  | 180.0 | 4.14 | 0.883 | 6.35 |
| Soil | C | 9/28/2012  | S | C | 6 | 36 | S | 3.00  | 1.51  | 0.06 | 6.4   | 58.9  | 2.53 | 0.818 | 6.25 |
| Soil | C | 11/14/2012 | F | T | 2 | 12 | A | 11.60 | 3.58  | 0.52 | 144.0 | 595.0 | 9.52 | 0.616 | 6.37 |
| Soil | C | 11/14/2012 | F | T | 2 | 24 | A | 5.26  | 1.05  | 0.13 | 11.9  | 80.9  | 1.93 | 0.890 | 6.31 |
| Soil | C | 11/14/2012 | F | T | 2 | 36 | A | 5.12  | 0.92  | 0.09 | 14.2  | 81.4  | 1.10 | 0.917 | 6.32 |
| Soil | C | 11/14/2012 | F | T | 3 | 12 | A | 7.13  | 4.43  | 0.50 | 247.0 | 614.0 | 9.01 | 0.138 | 6.58 |
| Soil | C | 11/14/2012 | F | T | 3 | 24 | A | 7.91  | 5.97  | 0.21 | 24.7  | 166.0 | 5.52 | 0.115 | 5.92 |
| Soil | C | 11/14/2012 | F | T | 3 | 36 | A | 4.64  | 13.30 | 0.14 | 11.1  | 108.0 | 2.77 | 0.170 | 5.82 |
| Soil | C | 11/14/2012 | F | T | 4 | 12 | A | 8.23  | 2.69  | 0.43 | 130.0 | 489.0 | 7.72 | 0.970 | 6.45 |
| Soil | C | 11/14/2012 | F | T | 4 | 24 | A | 5.01  | 1.33  | 0.16 | 2.9   | 54.7  | 3.18 | 0.582 | 6.70 |
| Soil | C | 11/14/2012 | F | T | 4 | 36 | A | 4.67  | 0.49  | 0.08 | 13.8  | 95.1  | 1.35 | 0.620 | 6.48 |
| Soil | C | 11/14/2012 | F | C | 2 | 12 | S | 8.34  | 3.33  | 0.49 | 120.0 | 642.0 | 8.70 | 0.126 | 6.42 |
| Soil | C | 11/14/2012 | F | C | 2 | 24 | S | 4.30  | 0.73  | 0.12 | 7.2   | 108.0 | 1.84 | 0.690 | 6.53 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | C | 11/14/2012 | F | C | 2 | 36 | S | 6.05 | 1.18  | 0.09 | 9.8   | 99.0  | 1.27 | 0.861 | 6.36 |
| Soil | C | 11/14/2012 | F | C | 4 | 12 | S | 7.93 | 4.05  | 0.42 | 86.7  | 473.0 | 8.15 | 0.633 | 5.83 |
| Soil | C | 11/14/2012 | F | C | 4 | 24 | S | 5.30 | 2.16  | 0.25 | 6.6   | 91.5  | 4.80 | 0.685 | 5.85 |
| Soil | C | 11/14/2012 | F | C | 6 | 12 | S | 8.97 | 4.08  | 0.44 | 159.0 | 603.0 | 7.92 | 0.120 | 6.47 |
| Soil | C | 11/14/2012 | F | C | 6 | 24 | S | 9.26 | 1.43  | 0.17 | 14.7  | 141.0 | 5.45 | 0.149 | 6.32 |
| Soil | C | 11/14/2012 | F | C | 6 | 36 | S | 5.63 | 0.81  | 0.10 | 9.3   | 120.0 | 1.81 | 0.641 | 6.18 |
| Soil | C | 11/28/2012 | F | T | 2 | 12 | A | 2.95 | 3.12  | 0.35 | 62.9  | 745.0 | 6.74 | 0.470 | 5.87 |
| Soil | C | 11/28/2012 | F | T | 2 | 24 | A | 1.97 | 3.91  | 0.15 | 14.0  | 135.0 | 3.07 | 0.539 | 6.36 |
| Soil | C | 11/28/2012 | F | T | 2 | 36 | A | 2.12 | 13.00 | 0.17 | 15.8  | 124.0 | 3.95 | 0.828 | 5.93 |
| Soil | C | 11/28/2012 | F | T | 3 | 12 | A | 2.88 | 4.27  | 0.28 | 136.0 | 486.0 | 5.21 | 0.840 | 6.46 |
| Soil | C | 11/28/2012 | F | T | 3 | 24 | A | 7.30 | 3.97  | 0.19 | 17.3  | 131.0 | 7.41 | 0.730 | 5.80 |
| Soil | C | 11/28/2012 | F | T | 3 | 36 | A | 0.62 | 3.18  | 0.09 | 20.6  | 82.5  | 2.19 | 0.480 | 5.42 |
| Soil | C | 11/28/2012 | F | T | 4 | 12 | A | 4.35 | 3.93  | 0.43 | 138.0 | 462.0 | 7.57 | 0.746 | 6.28 |
| Soil | C | 11/28/2012 | F | T | 4 | 24 | A | 2.33 | 1.56  | 0.17 | 7.3   | 79.2  | 2.79 | 0.690 | 6.57 |
| Soil | C | 11/28/2012 | F | T | 4 | 36 | A | 1.54 | 0.50  | 0.07 | 12.8  | 92.1  | 1.57 | 0.349 | 6.58 |
| Soil | C | 11/28/2012 | F | C | 2 | 12 | S | 4.51 | 4.61  | 0.47 | 133.0 | 656.0 | 8.29 | 0.139 | 6.14 |
| Soil | C | 11/28/2012 | F | C | 2 | 24 | S | 1.16 | 2.62  | 0.13 | 12.4  | 140.0 | 2.26 | 0.689 | 6.06 |
| Soil | C | 11/28/2012 | F | C | 2 | 36 | S | 0.05 | 1.24  | 0.06 | 29.6  | 148.0 | 1.09 | 0.264 | 6.01 |
| Soil | C | 11/28/2012 | F | C | 4 | 12 | S | 3.81 | 3.91  | 0.39 | 151.0 | 564.0 | 7.07 | 0.149 | 6.21 |
| Soil | C | 11/28/2012 | F | C | 4 | 24 | S | 3.91 | 0.20  | 0.15 | 18.6  | 140.0 | 2.78 | 0.550 | 6.08 |
| Soil | C | 11/28/2012 | F | C | 4 | 36 | S | 0.54 | 0.57  | 0.08 | 38.9  | 103.0 | 1.64 | 0.537 | 6.29 |
| Soil | C | 11/28/2012 | F | C | 6 | 12 | S | 3.54 | 4.18  | 0.38 | 81.4  | 555.0 | 7.69 | 0.182 | 6.23 |
| Soil | C | 11/28/2012 | F | C | 6 | 24 | S | 0.05 | 3.40  | 0.11 | 31.3  | 156.0 | 1.86 | 0.822 | 6.57 |
| Soil | C | 11/28/2012 | F | C | 6 | 36 | S | 0.06 | 1.06  | 0.07 | 37.1  | 151.0 | 1.24 | 0.728 | 6.45 |
| Soil | C | 12/28/2012 | F | T | 2 | 12 | A | 3.98 | 4.49  | 0.49 | 121.3 | 463.4 | 9.18 | 0.744 | 6.32 |
| Soil | C | 12/28/2012 | F | T | 2 | 24 | A | 2.58 | 3.86  | 0.11 |       | 95.8  | 2.66 | 0.750 | 6.52 |
| Soil | C | 12/28/2012 | F | T | 3 | 12 | A | 3.88 | 4.39  | 0.44 | 142.0 | 448.7 | 8.73 | 0.435 | 6.43 |
| Soil | C | 12/28/2012 | F | T | 3 | 24 | A | 3.04 | 3.73  | 0.21 | 5.4   | 137.9 | 5.20 | 0.523 | 6.11 |
| Soil | C | 12/28/2012 | F | T | 4 | 12 | A | 3.96 | 8.73  | 0.43 | 129.5 | 420.0 | 8.05 | 0.435 | 6.37 |
| Soil | C | 12/28/2012 | F | T | 4 | 24 | A | 2.06 | 2.69  | 0.45 |       | 70.6  | 4.80 | 0.341 | 6.35 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | C | 12/28/2012 | F | C | 2 | 12 | S | 4.16 | 6.54  | 0.18 | 162.9 | 513.8 | 8.42  | 0.430 | 6.15 |
| Soil | C | 12/28/2012 | F | C | 2 | 24 | S | 2.74 | 2.46  | 0.13 | 2.9   | 107.5 | 2.61  | 0.540 | 6.15 |
| Soil | C | 12/28/2012 | F | C | 4 | 12 | S | 5.02 | 6.59  | 0.33 | 102.4 | 376.9 | 6.44  | 0.511 | 6.20 |
| Soil | C | 12/28/2012 | F | C | 4 | 24 | S | 1.48 | 0.77  | 0.13 | 2.8   | 142.4 | 2.87  | 0.361 | 6.22 |
| Soil | C | 12/28/2012 | F | C | 6 | 12 | S | 3.66 | 2.69  | 0.30 | 122.5 | 376.9 | 5.90  | 0.477 | 6.33 |
| Soil | C | 12/28/2012 | F | C | 6 | 24 | S | 2.73 | 0.61  | 0.08 | 111.4 | 201.8 | 2.22  | 0.268 | 6.41 |
| Soil | C | 2/4/2013   | W | T | 2 | 12 | A | 6.71 | 15.80 | 0.50 | 116.0 | 267.0 | 9.34  | 0.627 | 6.24 |
| Soil | C | 2/4/2013   | W | T | 2 | 24 | A | 5.78 | 5.43  | 0.40 | 53.8  | 98.9  | 8.13  | 0.693 | 6.29 |
| Soil | C | 2/4/2013   | W | T | 2 | 36 | A | 3.91 | 2.27  | 0.30 | 26.6  | 69.3  | 6.60  | 0.142 | 6.26 |
| Soil | C | 2/4/2013   | W | T | 3 | 12 | A | 5.55 | 4.83  | 0.45 | 111.0 | 191.0 | 7.78  | 0.670 | 6.47 |
| Soil | C | 2/4/2013   | W | T | 3 | 24 | A | 5.89 | 3.47  | 0.25 | 29.9  | 48.9  | 14.92 | 0.354 | 5.63 |
| Soil | C | 2/4/2013   | W | T | 3 | 36 | A | 4.36 | 2.21  | 0.16 | 8.9   | 24.6  | 6.53  | 0.259 | 5.63 |
| Soil | C | 2/4/2013   | W | T | 4 | 12 | A | 5.73 | 10.60 | 0.46 | 117.0 | 267.0 | 7.69  | 0.669 | 6.61 |
| Soil | C | 2/4/2013   | W | T | 4 | 24 | A | 3.66 | 7.28  | 0.19 | 10.4  | 30.5  | 3.21  | 0.569 | 6.68 |
| Soil | C | 2/4/2013   | W | T | 4 | 36 | A | 3.66 | 1.93  | 0.13 | 16.8  | 38.9  | 1.87  | 0.440 | 6.71 |
| Soil | C | 2/4/2013   | W | C | 2 | 12 | S | 5.60 | 3.39  | 0.56 | 216.0 | 325.0 | 9.68  | 0.822 | 6.17 |
| Soil | C | 2/4/2013   | W | C | 2 | 24 | S | 1.67 | 1.90  | 0.20 | 27.3  | 45.1  | 3.27  | 0.173 | 6.23 |
| Soil | C | 2/4/2013   | W | C | 2 | 36 | S | 3.60 | 1.60  | 0.13 | 14.6  | 67.4  | 2.00  | 0.110 | 6.23 |
| Soil | C | 2/4/2013   | W | C | 4 | 12 | S | 3.34 | 1.82  | 0.43 | 161.0 | 191.0 | 7.36  | 0.453 | 6.25 |
| Soil | C | 2/4/2013   | W | C | 4 | 24 | S | 3.78 | 1.31  | 0.24 | 33.6  | 55.6  | 4.90  | 0.252 | 6.08 |
| Soil | C | 2/4/2013   | W | C | 4 | 36 | S | 3.60 | 0.81  | 0.13 | 38.8  | 41.4  | 2.70  | 0.196 | 6.05 |
| Soil | C | 2/4/2013   | W | C | 6 | 12 | S | 5.02 | 4.31  | 0.41 | 195.0 | 290.0 | 7.24  | 0.293 | 5.95 |
| Soil | C | 2/4/2013   | W | C | 6 | 24 | S | 5.51 | 1.79  | 0.20 | 37.1  | 58.1  | 3.51  | 0.351 | 6.32 |
| Soil | C | 2/4/2013   | W | C | 6 | 36 | S | 2.56 | 1.40  | 0.15 | 13.0  | 63.3  | 2.42  | 0.382 | 6.35 |
| Soil | C | 2/20/2013  | W | T | 2 | 12 | A | 3.47 | 15.27 | 0.45 | 131.4 | 263.7 | 8.87  | 0.738 | 6.25 |
| Soil | C | 2/20/2013  | W | T | 2 | 24 | A | 2.51 | 9.01  | 0.33 | 11.1  | 49.3  | 6.70  | 0.473 | 6.48 |
| Soil | C | 2/20/2013  | W | T | 2 | 36 | A | 2.91 | 5.25  | 0.09 | 10.6  | 52.3  | 2.25  | 0.770 | 6.49 |
| Soil | C | 2/20/2013  | W | T | 3 | 12 | A | 5.58 | 28.38 | 0.43 | 130.5 | 252.4 | 8.34  | 0.184 | 6.31 |
| Soil | C | 2/20/2013  | W | T | 3 | 24 | A | 3.02 | 8.63  | 0.17 | 9.8   | 26.1  | 3.66  | 0.450 | 6.21 |
| Soil | C | 2/20/2013  | W | T | 4 | 12 | A | 4.05 | 13.16 | 0.40 | 149.8 | 178.2 | 7.18  | 0.280 | 6.34 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |       |       |       |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|-------|-------|-------|
| Soil | C | 2/20/2013 | W  | T | 4 | 24 | A | 4.18  | 6.71  | 0.19 | 3.3   | 11.7  | 4.39  | 0.398 | 6.49  |
| Soil | C | 2/20/2013 | W  | T | 4 | 36 | A | 1.58  | 1.75  | 0.10 | 8.1   | 28.8  | 2.03  | 0.121 | 6.53  |
| Soil | C | 2/20/2013 | W  | C | 2 | 12 | S | 4.07  | 4.95  | 0.43 | 191.8 | 276.0 | 7.78  | 0.189 | 6.55  |
| Soil | C | 2/20/2013 | W  | C | 2 | 24 | S | 2.86  | 1.16  | 0.16 | 18.7  | 31.9  | 3.25  | 0.519 | 6.44  |
| Soil | C | 2/20/2013 | W  | C | 4 | 12 | S | 4.32  | 5.35  | 0.39 | 138.4 | 163.5 | 7.25  | 0.342 | 6.31  |
| Soil | C | 2/20/2013 | W  | C | 4 | 24 | S | 3.41  | 0.50  | 0.16 | 8.1   | 32.1  | 3.75  | 0.389 | 6.21  |
| Soil | C | 2/20/2013 | W  | C | 4 | 36 | S | 3.84  | 0.50  | 0.15 | 13.0  | 44.2  | 3.88  | 0.393 | 6.07  |
| Soil | C | 2/20/2013 | W  | C | 6 | 12 | S | 4.41  | 1.79  | 0.39 | 131.5 | 213.8 | 7.61  | 0.573 | 6.47  |
| Soil | C | 2/20/2013 | W  | C | 6 | 24 | S | 2.84  | 1.03  | 0.13 | 11.3  | 46.3  | 2.78  | 0.639 | 6.42  |
| Soil | C | 2/20/2013 | W  | C | 6 | 36 | S | 2.18  | 1.37  | 0.06 | 9.5   | 53.2  | 1.28  | 0.373 | 6.45  |
| Soil | C | 4/1/2013  | SP | T | 2 | 12 | A | 10.40 | 10.80 | 0.46 | 331.0 | 441.0 | 9.05  | 0.140 | 6.13  |
| Soil | C | 4/1/2013  | SP | T | 2 | 24 | A | 4.73  | 6.68  | 0.15 | 85.1  | 145.0 | 3.35  | 0.080 | 6.06  |
| Soil | C | 4/1/2013  | SP | T | 2 | 36 | A | 4.55  | 6.10  | 0.07 | 58.1  | 87.9  | 1.49  | 0.060 | 6.12  |
| Soil | C | 4/1/2013  | SP | T | 3 | 12 | A | 7.04  | 16.40 | 0.47 | 348.0 | 396.0 | 9.04  | 0.120 | 6.14  |
| Soil | C | 4/1/2013  | SP | T | 3 | 24 | A | 6.99  | 10.00 | 0.17 | 67.3  | 140.0 | 3.99  | 0.100 | 6.19  |
| Soil | C | 4/1/2013  | SP | T | 3 | 36 | A | 7.96  | 5.21  | 0.11 | 37.2  | 79.2  | 3.30  | 0.060 | 6.25  |
| Soil | C | 4/1/2013  | SP | T | 4 | 12 | A | 9.38  | 28.30 | 0.58 | 370.0 | 504.0 | 10.42 | 0.320 | 6.13  |
| Soil | C | 4/1/2013  | SP | T | 4 | 24 | A | 5.66  | 15.20 | 0.21 | 34.2  | 102.0 | 4.37  | 0.130 | 6.45  |
| Soil | C | 4/1/2013  | SP | T | 4 | 36 | A | 3.47  | 10.70 | 0.14 | 33.2  | 97.8  | 2.88  | 0.090 | 6.59  |
| Soil | C | 4/1/2013  | SP | C | 2 | 12 | S | 10.20 | 34.70 | 0.48 | 389.0 | 454.0 | 9.33  | 0.130 | 6.45  |
| Soil | C | 4/1/2013  | SP | C | 2 | 24 | S | 9.67  | 12.10 | 0.31 | 181.0 | 344.0 | 6.29  | 0.040 | 6.63  |
| Soil | C | 4/1/2013  | SP | C | 2 | 36 | S | 6.26  | 14.70 | 0.18 | 91.4  | 179.0 | 3.99  | 0.050 | 6.26  |
| Soil | C | 4/1/2013  | SP | C | 4 | 12 | S | 9.16  | 9.78  | 0.38 | 357.0 | 444.0 | 7.38  | 0.100 | 6.34  |
| Soil | C | 4/1/2013  | SP | C | 4 | 24 | S | 4.98  | 4.35  | 0.15 | 78.9  | 194.0 | 3.52  | 0.050 | 6.38  |
| Soil | C | 4/1/2013  | SP | C | 4 | 36 | S | 8.44  | 2.58  | 0.06 | 67.9  | 106.0 | 2.76  | 0.050 | 6.17  |
| Soil | C | 4/1/2013  | SP | C | 6 | 12 | S | 8.26  | 20.40 | 0.34 | 320.0 | 398.0 | 6.97  | 0.150 | 6.39  |
| Soil | C | 4/1/2013  | SP | C | 6 | 24 | S | 3.53  | 3.41  | 0.15 | 162.0 | 307.0 | 3.66  | 0.110 | 6.38  |
| Soil | C | 4/1/2013  | SP | C | 6 | 36 | S | 4.43  | 2.40  | 0.11 | 84.1  | 172.0 | 2.58  | 0.090 | 6.54  |
| Soil | C | 4/25/2013 | SP | T | 2 | 12 | A | 2.20  | 15.40 | 0.41 | 188.0 | 298.0 | 8.84  | 0.150 | 6.25  |
| Soil | C | 4/25/2013 | SP | T | 2 | 24 | A | 4.36  | 14.00 | 0.08 | 43.7  | 3.7   | 8.40  | 0.050 | 54.80 |

|      |   |           |    |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | C | 4/25/2013 | SP | T | 2 | 36 | A | 3.70  | 8.40  | 0.05 | 54.8  | 71.1  | 1.66 | 0.090 | 6.26 |
| Soil | C | 4/25/2013 | SP | T | 3 | 12 | A | 6.16  | 11.50 | 0.37 | 182.0 | 195.0 | 8.25 | 0.110 | 6.30 |
| Soil | C | 4/25/2013 | SP | T | 3 | 24 | A | 5.96  | 1.65  | 0.16 | 72.0  | 59.8  | 4.51 | 0.060 | 6.22 |
| Soil | C | 4/25/2013 | SP | T | 3 | 36 | A | 4.70  | 1.87  | 0.09 | 50.0  | 66.6  | 3.93 | 0.040 | 6.10 |
| Soil | C | 4/25/2013 | SP | T | 4 | 12 | A | 3.82  | 14.70 | 0.41 | 98.4  | 230.0 | 8.11 | 0.180 | 6.16 |
| Soil | C | 4/25/2013 | SP | T | 4 | 24 | A | 7.04  | 16.50 | 0.17 | 45.0  | 76.0  | 3.79 | 0.140 | 6.39 |
| Soil | C | 4/25/2013 | SP | T | 4 | 36 | A | 4.04  | 1.35  | 0.07 | 37.9  | 44.9  | 1.81 | 0.060 | 6.72 |
| Soil | C | 4/25/2013 | SP | C | 2 | 12 | S | 2.94  | 55.70 | 0.47 | 192.0 | 212.0 | 9.10 | 0.200 | 6.22 |
| Soil | C | 4/25/2013 | SP | C | 2 | 24 | S | 5.83  | 32.30 | 0.08 | 59.3  | 68.6  | 2.14 | 0.070 | 6.33 |
| Soil | C | 4/25/2013 | SP | C | 2 | 36 | S | 5.68  | 19.20 | 0.02 | 53.0  | 52.6  | 1.53 | 0.120 | 6.13 |
| Soil | C | 4/25/2013 | SP | C | 4 | 12 | S | 11.30 | 61.70 | 0.39 | 101.0 | 268.0 | 8.00 | 0.070 | 6.32 |
| Soil | C | 4/25/2013 | SP | C | 4 | 24 | S | 4.14  | 12.30 | 0.04 | 45.4  | 43.1  | 1.46 | 0.070 | 6.37 |
| Soil | C | 4/25/2013 | SP | C | 4 | 36 | S | 5.14  | 4.22  | 0.03 | 51.3  | 84.9  | 1.61 | 0.090 | 6.25 |
| Soil | C | 4/25/2013 | SP | C | 6 | 12 | S | 8.38  | 69.60 | 0.41 | 188.0 | 285.0 | 8.17 | 0.220 | 6.24 |
| Soil | C | 4/25/2013 | SP | C | 6 | 24 | S | 8.54  | 10.00 | 0.17 | 75.1  | 156.0 | 5.54 | 0.180 | 6.15 |
| Soil | C | 4/25/2013 | SP | C | 6 | 36 | S | 6.02  | 3.60  | 0.16 | 25.4  | 118.0 | 4.72 | 0.130 | 6.14 |
| Soil | C | 6/4/2013  | SP | T | 2 | 12 | A | 10.30 | 13.60 | 0.52 | 355.0 | 345.0 | 9.53 | 0.130 | 6.49 |
| Soil | C | 6/4/2013  | SP | T | 2 | 24 | A | 4.96  | 6.92  | 0.15 | 10.9  | 17.0  | 2.49 | 0.070 | 6.44 |
| Soil | C | 6/4/2013  | SP | T | 2 | 36 | A | 3.82  | 3.19  | 0.10 | 9.7   | 13.7  | 1.29 | 0.080 | 6.35 |
| Soil | C | 6/4/2013  | SP | T | 3 | 12 | A | 7.03  | 12.10 | 0.39 | 186.0 | 172.0 | 7.38 | 0.060 | 6.42 |
| Soil | C | 6/4/2013  | SP | T | 3 | 24 | A | 1.61  | 7.68  | 0.13 | 40.9  | 46.4  | 2.02 | 0.060 | 6.42 |
| Soil | C | 6/4/2013  | SP | T | 3 | 36 | A | 1.20  | 6.09  | 0.09 | 26.1  | 32.7  | 1.73 | 0.060 | 5.93 |
| Soil | C | 6/4/2013  | SP | T | 4 | 12 | A | 5.08  | 18.50 | 0.40 | 303.0 | 279.0 | 6.87 | 0.150 | 6.12 |
| Soil | C | 6/4/2013  | SP | T | 4 | 24 | A | 1.72  | 5.42  | 0.12 | 16.8  | 21.9  | 1.84 | 0.070 | 6.29 |
| Soil | C | 6/4/2013  | SP | C | 2 | 12 | S | 4.73  | 27.40 | 0.46 | 199.0 | 199.0 | 8.13 | 0.060 | 6.46 |
| Soil | C | 6/4/2013  | SP | C | 2 | 24 | S | 1.56  | 10.80 | 0.18 | 18.8  | 24.5  | 3.03 | 0.080 | 6.38 |
| Soil | C | 6/4/2013  | SP | C | 2 | 36 | S | 1.25  | 4.79  | 0.10 | 29.5  | 35.1  | 1.43 | 0.070 | 6.30 |
| Soil | C | 6/4/2013  | SP | C | 4 | 12 | S | 6.51  | 33.30 | 0.24 | 310.0 | 310.0 | 3.20 | 0.210 | 5.98 |
| Soil | C | 6/4/2013  | SP | C | 4 | 24 | S | 3.32  | 15.80 | 0.07 | 50.2  | 59.2  | 1.21 | 0.130 | 6.15 |
| Soil | C | 6/4/2013  | SP | C | 4 | 36 | S | 2.28  | 3.02  | 0.30 | 55.8  | 59.7  | 5.33 | 0.060 | 6.39 |

|      |   |          |    |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|----------|----|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | C | 6/4/2013 | SP | C | 6 | 12 | S | 6.74  | 50.80 | 0.10 | 132.0 | 128.0 | 1.37 | 0.230 | 6.32 |
| Soil | C | 6/4/2013 | SP | C | 6 | 24 | S | 3.48  | 9.00  | 0.10 | 67.7  | 74.7  | 1.12 | 0.090 | 6.39 |
| Soil | C | 6/4/2013 | SP | C | 6 | 36 | S | 3.43  | 3.67  | 0.06 | 105.0 | 132.0 | 0.56 | 0.040 | 6.53 |
| Soil | C | 7/2/2013 | S  | T | 2 | 12 | A | 6.76  | 23.96 | 0.46 | 187.0 | 590.0 | 9.75 | 0.130 | 6.22 |
| Soil | C | 7/2/2013 | S  | T | 2 | 24 | A | 4.32  | 3.09  | 0.11 | 13.6  | 86.6  | 2.26 | 0.060 | 6.38 |
| Soil | C | 7/2/2013 | S  | T | 2 | 36 | A | 2.93  | 0.75  | 0.09 | 10.9  | 81.5  | 1.50 | 0.060 | 6.32 |
| Soil | C | 7/2/2013 | S  | T | 3 | 12 | A | 19.00 | 34.12 | 0.48 | 168.0 | 585.0 | 8.97 | 0.280 | 6.21 |
| Soil | C | 7/2/2013 | S  | T | 3 | 24 | A | 8.79  | 15.55 | 0.16 | 14.8  | 144.0 | 3.38 | 0.060 | 6.35 |
| Soil | C | 7/2/2013 | S  | T | 3 | 36 | A | 6.13  | 2.79  | 0.12 | 10.2  | 123.0 | 4.71 | 0.060 | 5.92 |
| Soil | C | 7/2/2013 | S  | T | 4 | 12 | A | 6.64  | 81.34 | 0.39 | 159.0 | 584.0 | 7.25 | 0.330 | 6.38 |
| Soil | C | 7/2/2013 | S  | T | 4 | 24 | A | 4.01  | 6.56  | 0.14 | 19.9  | 185.0 | 3.06 | 0.090 | 6.90 |
| Soil | C | 7/2/2013 | S  | T | 4 | 36 | A | 3.01  | 4.80  | 0.05 | 15.4  | 89.1  | 1.10 | 0.090 | 7.02 |
| Soil | C | 7/2/2013 | S  | C | 2 | 12 | S | 7.77  | 8.96  | 0.41 | 181.0 | 633.0 | 7.55 | 0.090 | 6.32 |
| Soil | C | 7/2/2013 | S  | C | 2 | 24 | S | 6.19  | 0.60  | 0.20 | 27.1  | 207.0 | 3.81 | 0.060 | 5.91 |
| Soil | C | 7/2/2013 | S  | C | 2 | 36 | S | 2.98  | 3.65  | 0.11 | 19.8  | 166.0 | 2.60 | 0.050 | 5.90 |
| Soil | C | 7/2/2013 | S  | C | 4 | 12 | S | 5.36  | 31.23 | 0.39 | 157.0 | 485.0 | 7.19 | 0.170 | 6.19 |
| Soil | C | 7/2/2013 | S  | C | 4 | 24 | S | 4.65  | 9.77  | 0.14 | 11.2  | 151.0 | 2.65 | 0.700 | 6.35 |
| Soil | C | 7/2/2013 | S  | C | 4 | 36 | S | 2.27  | 3.45  | 0.07 | 15.7  | 137.0 | 1.68 | 0.050 | 6.35 |
| Soil | C | 7/2/2013 | S  | C | 6 | 12 | S | 5.18  | 45.32 | 0.46 | 179.0 | 522.0 | 8.62 | 0.190 | 6.34 |
| Soil | C | 7/2/2013 | S  | C | 6 | 24 | S | 3.58  | 13.56 | 0.15 | 6.6   | 75.7  | 4.40 | 0.100 | 6.39 |
| Soil | C | 7/2/2013 | S  | C | 6 | 36 | S | 2.38  | 3.34  | 0.10 | 17.4  | 137.0 | 2.40 | 0.080 | 6.59 |
| Soil | C | 8/5/2013 | S  | T | 2 | 12 | A | 3.80  | 13.00 | 0.47 | 170.0 | 634.0 | 8.79 | 0.190 | 6.12 |
| Soil | C | 8/5/2013 | S  | T | 2 | 24 | A | 2.72  | 1.26  | 0.12 | 7.2   | 69.9  | 2.05 | 0.060 | 6.32 |
| Soil | C | 8/5/2013 | S  | T | 2 | 36 | A | 4.45  | 3.26  | 0.11 | 6.7   | 73.7  | 2.02 | 0.060 | 6.34 |
| Soil | C | 8/5/2013 | S  | T | 3 | 12 | A | 6.23  | 4.76  | 0.50 | 184.0 | 637.0 | 9.24 | 0.130 | 6.21 |
| Soil | C | 8/5/2013 | S  | T | 3 | 24 | A | 2.83  | 2.26  | 0.17 | 9.7   | 89.6  | 4.26 | 0.070 | 6.47 |
| Soil | C | 8/5/2013 | S  | T | 3 | 36 | A | 2.69  | 4.13  | 0.18 | 7.2   | 76.4  | 7.76 | 0.080 | 6.40 |
| Soil | C | 8/5/2013 | S  | T | 4 | 12 | A | 4.56  | 7.04  | 0.42 | 128.0 | 533.0 | 7.69 | 0.130 | 6.37 |
| Soil | C | 8/5/2013 | S  | T | 4 | 24 | A | 4.15  | 2.89  | 0.17 | 4.4   | 48.2  | 3.36 | 0.070 | 6.63 |
| Soil | C | 8/5/2013 | S  | T | 4 | 36 | A | 3.27  | 2.40  | 0.08 | 9.2   | 85.7  | 1.66 | 0.050 | 6.56 |

|      |   |           |   |   |   |    |   |      |        |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|------|--------|------|-------|-------|-------|-------|------|
| Soil | C | 8/5/2013  | S | C | 2 | 12 | S | 4.16 | 12.10  | 0.42 | 126.0 | 579.0 | 7.43  | 0.090 | 5.80 |
| Soil | C | 8/5/2013  | S | C | 2 | 24 | S | 2.69 | 3.30   | 0.12 | 10.1  | 86.2  | 2.12  | 0.060 | 5.89 |
| Soil | C | 8/5/2013  | S | C | 2 | 36 | S | 2.30 | 0.31   | 0.08 | 15.6  | 127.0 | 1.41  | 0.040 | 5.94 |
| Soil | C | 8/5/2013  | S | C | 4 | 12 | S | 5.69 | 16.60  | 0.43 | 146.0 | 614.0 | 7.60  | 0.060 | 5.72 |
| Soil | C | 8/5/2013  | S | C | 4 | 24 | S | 3.19 | 3.24   | 0.18 | 7.9   | 80.6  | 3.34  | 0.060 | 5.92 |
| Soil | C | 8/5/2013  | S | C | 4 | 36 | S | 2.83 | 2.09   | 0.11 | 15.9  | 105.0 | 1.66  | 0.040 | 6.24 |
| Soil | C | 8/5/2013  | S | C | 6 | 12 | S | 6.72 | 25.50  | 0.32 | 87.9  | 968.0 | 6.09  | 0.390 | 6.23 |
| Soil | C | 8/5/2013  | S | C | 6 | 24 | S | 2.30 | 7.48   | 0.11 | 9.7   | 91.8  | 2.50  | 0.080 | 6.41 |
| Soil | C | 8/5/2013  | S | C | 6 | 36 | S | 2.93 | 3.09   | 0.06 | 27.7  | 180.0 | 0.98  | 0.050 | 6.52 |
| Soil | C | 9/4/2013  | S | T | 2 | 12 | A | 3.35 | 69.50  | 0.43 | 240.0 | 647.0 | 8.31  | 0.554 | 5.90 |
| Soil | C | 9/4/2013  | S | T | 2 | 24 | A | 3.99 | 24.80  | 0.33 | 64.5  | 224.0 | 5.81  | 0.201 | 6.17 |
| Soil | C | 9/4/2013  | S | T | 2 | 36 | A | 3.24 | 5.58   | 0.08 | 34.4  | 137.0 | 1.69  | 0.091 | 6.42 |
| Soil | C | 9/4/2013  | S | T | 3 | 12 | A | 4.72 | 36.40  | 0.39 | 181.0 | 373.0 | 8.07  | 0.214 | 6.87 |
| Soil | C | 9/4/2013  | S | T | 3 | 24 | A | 5.90 | 6.23   | 0.33 | 61.9  | 149.0 | 7.71  | 0.149 | 6.87 |
| Soil | C | 9/4/2013  | S | T | 3 | 36 | A | 5.55 | 10.20  | 0.13 | 26.4  | 113.0 | 3.33  | 0.102 | 5.82 |
| Soil | C | 9/4/2013  | S | T | 4 | 12 | A | 4.40 | 187.00 | 0.45 | 245.0 | 399.0 | 8.41  | 0.089 | 6.05 |
| Soil | C | 9/4/2013  | S | T | 4 | 24 | A | 3.78 | 25.40  | 0.26 | 61.1  | 147.0 | 6.19  | 0.117 | 6.21 |
| Soil | C | 9/4/2013  | S | T | 4 | 36 | A | 3.66 | 5.57   | 0.10 | 36.0  | 130.0 | 2.43  | 0.102 | 6.66 |
| Soil | C | 9/4/2013  | S | C | 2 | 12 | S | 3.23 | 63.80  | 0.48 | 218.0 | 573.0 | 9.24  | 0.167 | 6.08 |
| Soil | C | 9/4/2013  | S | C | 2 | 24 | S | 3.57 | 17.80  | 0.18 | 56.3  | 165.0 | 4.02  | 0.124 | 6.18 |
| Soil | C | 9/4/2013  | S | C | 2 | 36 | S | 3.44 | 2.97   | 0.08 | 30.0  | 0.7   | 3.60  | 0.056 | 6.08 |
| Soil | C | 9/4/2013  | S | C | 4 | 12 | S | 6.87 | 45.70  | 0.68 | 234.0 | 480.0 | 13.05 | 0.113 | 6.17 |
| Soil | C | 9/4/2013  | S | C | 4 | 24 | S | 4.70 | 11.90  | 0.26 | 75.5  | 200.0 | 4.81  | 0.102 | 6.20 |
| Soil | C | 9/4/2013  | S | C | 4 | 36 | S | 4.00 | 2.77   | 0.20 | 49.1  | 235.0 | 4.07  | 0.074 | 6.11 |
| Soil | C | 9/4/2013  | S | C | 6 | 12 | S | 5.90 | 46.80  | 0.42 | 221.0 | 453.0 | 8.33  | 0.072 | 6.19 |
| Soil | C | 9/4/2013  | S | C | 6 | 24 | S | 3.66 | 8.26   | 0.12 | 73.3  | 178.0 | 2.38  | 0.075 | 6.23 |
| Soil | C | 9/4/2013  | S | C | 6 | 36 | S | 2.38 | 3.54   | 0.11 | 45.6  | 164.0 | 1.90  | 0.059 | 6.30 |
| Soil | C | 10/3/2013 | F | T | 2 | 12 | A | 5.80 | 12.90  | 0.50 | 133.0 | 332.0 | 12.88 | 0.285 | 6.55 |
| Soil | C | 10/3/2013 | F | T | 2 | 24 | A | 4.39 | 25.90  | 0.14 | 21.9  | 45.0  | 2.97  | 0.296 | 6.28 |
| Soil | C | 10/3/2013 | F | T | 2 | 36 | A | 3.18 | 7.91   | 0.07 | 54.3  | 57.4  | 1.50  | 0.172 | 6.33 |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | C | 10/3/2013  | F | T | 3 | 12 | A | 9.36  | 39.70 | 0.45 | 147.0 | 287.0 | 9.89 | 0.557 | 6.24 |
| Soil | C | 10/3/2013  | F | T | 3 | 24 | A | 4.16  | 82.50 | 0.16 | 18.9  | 44.6  | 3.45 | 0.582 | 5.84 |
| Soil | C | 10/3/2013  | F | T | 3 | 36 | A | 3.78  | 42.20 | 0.11 | 13.2  | 47.8  | 2.33 | 0.412 | 5.96 |
| Soil | C | 10/3/2013  | F | T | 4 | 12 | A | 6.72  | 37.10 | 0.10 | 162.0 | 292.0 | 2.12 | 0.526 | 6.25 |
| Soil | C | 10/3/2013  | F | T | 4 | 24 | A | 3.38  | 39.90 | 0.02 | 33.7  | 72.4  | 0.92 | 0.476 | 6.24 |
| Soil | C | 10/3/2013  | F | T | 4 | 36 | A | 2.56  | 1.25  | 0.41 | 33.1  | 50.2  | 8.14 | 0.151 | 6.75 |
| Soil | C | 10/3/2013  | F | C | 2 | 12 | S | 8.84  | 41.50 | 0.12 | 283.0 | 374.0 | 2.17 | 0.528 | 6.16 |
| Soil | C | 10/3/2013  | F | C | 2 | 24 | S | 2.34  | 33.90 | 0.08 | 29.4  | 76.6  | 1.14 | 0.454 | 5.95 |
| Soil | C | 10/3/2013  | F | C | 2 | 36 | S | 2.86  | 15.30 | 0.34 | 24.2  | 77.0  | 6.80 | 0.243 | 6.12 |
| Soil | C | 10/3/2013  | F | C | 4 | 12 | S | 5.25  | 12.90 | 0.14 | 173.0 | 252.0 | 2.56 | 0.210 | 6.10 |
| Soil | C | 10/3/2013  | F | C | 4 | 24 | S | 5.36  | 7.71  | 0.12 | 24.6  | 47.5  | 2.45 | 0.037 | 6.17 |
| Soil | C | 10/3/2013  | F | C | 4 | 36 | S | 5.29  | 5.99  | 0.08 | 17.0  | 72.6  | 2.20 | 0.144 | 6.07 |
| Soil | C | 10/3/2013  | F | C | 6 | 12 | S | 17.80 | 11.80 | 0.39 | 145.0 | 258.0 | 7.66 | 0.242 | 6.31 |
| Soil | C | 10/3/2013  | F | C | 6 | 24 | S | 3.64  | 28.80 | 0.10 | 24.7  | 65.3  | 2.07 | 0.370 | 6.13 |
| Soil | C | 10/3/2013  | F | C | 6 | 36 | S | 13.80 | 35.70 | 0.07 | 20.9  | 52.9  | 1.61 | 0.244 | 6.26 |
| Soil | C | 10/25/2013 | F | T | 2 | 12 | A | 2.80  | 10.11 | 0.40 | 115.0 | 264.0 | 7.82 | 0.000 | 6.09 |
| Soil | C | 10/25/2013 | F | T | 2 | 24 | A | 1.55  | 18.90 | 0.10 | 166.0 | 65.7  | 1.76 | 0.034 | 6.01 |
| Soil | C | 10/25/2013 | F | T | 2 | 36 | A | 0.89  | 6.49  | 0.08 | 57.8  | 39.3  | 1.10 | 0.002 | 6.20 |
| Soil | C | 10/25/2013 | F | T | 3 | 12 | A | 2.44  | 16.26 | 0.43 | 76.8  | 300.0 | 8.10 | 0.000 | 6.31 |
| Soil | C | 10/25/2013 | F | T | 3 | 24 | A | 1.85  | 29.46 | 0.19 | 134.0 | 113.0 | 3.34 | 0.160 | 5.80 |
| Soil | C | 10/25/2013 | F | T | 3 | 36 | A | 1.40  | 26.72 | 0.09 | 35.3  | 78.1  | 1.68 | 0.250 | 5.73 |
| Soil | C | 10/25/2013 | F | T | 4 | 12 | A | 1.51  | 20.29 | 0.51 | 87.3  | 240.0 | 8.89 | 0.000 | 6.17 |
| Soil | C | 10/25/2013 | F | T | 4 | 24 | A | 2.21  | 15.69 | 0.15 | 112.0 | 89.4  | 2.73 | 0.120 | 6.40 |
| Soil | C | 10/25/2013 | F | T | 4 | 36 | A | 1.32  | 4.89  | 0.08 | 37.0  | 62.8  | 1.96 | 0.058 | 6.60 |
| Soil | C | 10/25/2013 | F | C | 2 | 12 | S | 1.67  | 10.25 | 0.48 | 12.3  | 335.0 | 8.76 | 0.005 | 6.12 |
| Soil | C | 10/25/2013 | F | C | 2 | 24 | S | 1.37  | 33.80 | 0.18 | 106.0 | 137.0 | 3.21 | 0.101 | 5.90 |
| Soil | C | 10/25/2013 | F | C | 2 | 36 | S | 2.12  | 27.32 | 0.10 | 27.6  | 78.0  | 1.75 | 0.110 | 5.98 |
| Soil | C | 10/25/2013 | F | C | 4 | 12 | S | 2.55  | 19.07 | 0.45 | 71.7  | 263.0 | 7.92 | 0.265 | 6.08 |
| Soil | C | 10/25/2013 | F | C | 4 | 24 | S | 2.15  | 13.37 | 0.17 | 132.0 | 112.0 | 3.43 | 0.291 | 6.04 |
| Soil | C | 10/25/2013 | F | C | 4 | 36 | S | 3.00  | 5.24  | 0.09 | 28.0  | 54.9  | 1.23 | 0.047 | 6.12 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | C | 10/25/2013 | F | C | 6 | 12 | S | 2.64 | 30.39 | 0.46 | 30.7  | 242.0 | 8.46  | 0.307 | 6.07 |
| Soil | C | 10/25/2013 | F | C | 6 | 24 | S | 1.69 | 23.49 | 0.09 | 115.0 | 81.1  | 1.82  | 0.242 | 6.15 |
| Soil | C | 10/25/2013 | F | C | 6 | 36 | S | 3.47 | 18.33 | 0.08 | 32.0  | 106.0 | 1.38  | 0.371 | 6.18 |
| Soil | C | 11/13/2013 | F | T | 2 | 12 | A | 2.53 | 5.63  | 0.30 | 195.0 | 542.0 | 8.52  | 0.210 | 6.38 |
| Soil | C | 11/13/2013 | F | T | 2 | 24 | A | 2.27 | 5.62  | 0.03 | 40.7  | 122.0 | 3.37  | 0.190 | 6.17 |
| Soil | C | 11/13/2013 | F | T | 2 | 36 | A | 1.08 | 16.23 | 0.10 | 21.6  | 118.0 | 1.86  | 0.210 | 5.90 |
| Soil | C | 11/13/2013 | F | T | 3 | 12 | A | 0.25 | 5.83  | 0.27 | 206.0 | 425.0 | 7.77  | 0.250 | 6.15 |
| Soil | C | 11/13/2013 | F | T | 3 | 24 | A | 1.39 | 12.82 | 0.05 | 42.5  | 108.0 | 3.01  | 0.200 | 5.99 |
| Soil | C | 11/13/2013 | F | T | 3 | 36 | A | 1.00 | 24.83 | 0.11 | 23.8  | 82.6  | 1.86  | 0.280 | 5.63 |
| Soil | C | 11/13/2013 | F | T | 4 | 12 | A | 0.25 | 7.58  | 0.96 | 257.0 | 477.0 | 8.38  | 0.230 | 6.22 |
| Soil | C | 11/13/2013 | F | T | 4 | 24 | A | 1.60 | 29.23 | 0.07 | 49.9  | 147.0 | 3.41  | 0.270 | 6.19 |
| Soil | C | 11/13/2013 | F | T | 4 | 36 | A | 1.74 | 24.39 | 0.01 | 33.2  | 97.7  | 1.39  | 0.220 | 6.12 |
| Soil | C | 11/13/2013 | F | C | 2 | 12 | S | 3.72 | 52.65 | 0.43 | 269.0 | 648.0 | 9.85  | 0.580 | 5.97 |
| Soil | C | 11/13/2013 | F | C | 2 | 24 | S | 3.66 | 28.32 | 0.09 | 52.0  | 211.0 | 4.20  | 0.350 | 5.98 |
| Soil | C | 11/13/2013 | F | C | 2 | 36 | S | 1.30 | 17.06 | 0.09 | 31.3  | 136.0 | 1.74  | 0.250 | 5.85 |
| Soil | C | 11/13/2013 | F | C | 4 | 12 | S | 2.35 | 20.44 | 0.28 | 118.0 | 299.0 | 7.44  | 0.340 | 6.03 |
| Soil | C | 11/13/2013 | F | C | 4 | 24 | S | 2.00 | 9.73  | 0.01 | 38.7  | 117.0 | 2.68  | 0.170 | 6.00 |
| Soil | C | 11/13/2013 | F | C | 4 | 36 | S | 2.14 | 7.69  | 0.09 | 26.6  | 116.0 | 1.65  | 0.160 | 6.00 |
| Soil | C | 11/13/2013 | F | C | 6 | 12 | S | 0.25 | 38.18 | 0.36 | 234.0 | 604.0 | 8.61  | 0.440 | 6.07 |
| Soil | C | 11/13/2013 | F | C | 6 | 24 | S | 2.27 | 20.63 | 0.09 | 85.8  | 271.0 | 4.75  | 0.280 | 6.13 |
| Soil | C | 11/13/2013 | F | C | 6 | 36 | S | 1.38 | 14.23 | 0.10 | 64.6  | 192.0 | 2.19  | 0.230 | 6.07 |
| Soil | C | 11/25/2013 | F | T | 2 | 12 | A | 3.86 | 5.68  | 0.23 | 175.0 | 723.0 | 4.10  | 0.134 | 6.61 |
| Soil | C | 11/25/2013 | F | T | 2 | 24 | A | 3.33 | 4.63  | 0.22 | 9.5   | 64.0  | 8.85  | 0.021 | 6.44 |
| Soil | C | 11/25/2013 | F | T | 2 | 36 | A | 3.90 | 16.01 | 0.51 | 5.5   | 57.0  | 8.85  | 0.094 | 6.29 |
| Soil | C | 11/25/2013 | F | T | 3 | 12 | A | 4.44 | 9.17  | 0.38 | 128.0 | 587.0 | 8.14  | 0.191 | 6.45 |
| Soil | C | 11/25/2013 | F | T | 3 | 24 | A | 4.38 | 9.21  | 0.03 | 14.1  | 150.0 | 0.10  | 0.091 | 6.35 |
| Soil | C | 11/25/2013 | F | T | 3 | 36 | A | 4.42 | 14.30 | 0.89 | 8.8   | 86.0  | 14.70 | 0.109 | 6.11 |
| Soil | C | 11/25/2013 | F | T | 4 | 12 | A | 7.21 | 6.56  | 0.55 | 229.0 | 600.0 | 9.38  | 0.088 | 6.51 |
| Soil | C | 11/25/2013 | F | T | 4 | 24 | A | 3.86 | 9.05  | 0.12 | 16.1  | 132.0 | 1.86  | 0.108 | 6.63 |
| Soil | C | 11/25/2013 | F | T | 4 | 36 | A | 3.43 | 11.09 | 0.67 | 26.0  | 117.0 | 10.89 | 0.060 | 6.62 |

|      |   |            |   |   |   |    |   |      |        |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|------|--------|------|-------|-------|-------|-------|------|
| Soil | C | 11/25/2013 | F | C | 2 | 12 | S | 3.89 | 12.15  | 0.14 | 127.0 | 604.0 | 1.96  | 0.068 | 6.37 |
| Soil | C | 11/25/2013 | F | C | 2 | 24 | S | 3.38 | 9.77   | 0.15 | 15.4  | 145.0 | 2.08  | 0.056 | 6.38 |
| Soil | C | 11/25/2013 | F | C | 2 | 36 | S | 3.11 | 17.45  | 0.16 | 18.8  | 130.0 | 1.90  | 0.182 | 6.28 |
| Soil | C | 11/25/2013 | F | C | 4 | 12 | S | 9.53 | 9.21   | 0.40 | 163.0 | 434.0 | 6.53  | 0.118 | 6.34 |
| Soil | C | 11/25/2013 | F | C | 4 | 24 | S | 3.66 | 9.47   | 0.16 | 28.9  | 82.6  | 2.39  | 0.055 | 6.30 |
| Soil | C | 11/25/2013 | F | C | 4 | 36 | S | 3.70 | 5.12   | 0.14 | 19.5  | 131.0 | 2.24  | 0.053 | 6.38 |
| Soil | C | 11/25/2013 | F | C | 6 | 12 | S | 5.06 | 14.76  | 0.41 | 203.0 | 586.0 | 7.04  | 0.164 | 6.40 |
| Soil | C | 11/25/2013 | F | C | 6 | 24 | S | 3.77 | 8.73   | 0.20 | 54.0  | 209.0 | 3.16  | 0.142 | 6.52 |
| Soil | C | 11/25/2013 | F | C | 6 | 36 | S | 4.46 | 10.30  | 0.15 | 57.5  | 165.0 | 2.34  | 0.071 | 6.53 |
| Soil | C | 12/16/2013 | F | T | 2 | 12 | A | 0.25 | 37.33  | 0.54 | 136.7 | 619.9 | 9.78  | 0.082 | 6.22 |
| Soil | C | 12/16/2013 | F | T | 2 | 24 | A | 1.96 | 70.94  | 0.20 | 9.4   | 54.7  | 3.40  | 0.209 | 6.33 |
| Soil | C | 12/16/2013 | F | T | 2 | 36 | A | 1.68 | 117.08 | 0.13 | 5.3   | 58.5  | 1.35  | 0.184 | 6.46 |
| Soil | C | 12/16/2013 | F | T | 3 | 12 | A | 1.81 | 54.82  | 0.48 | 22.1  | 483.1 | 8.52  | 0.123 | 6.35 |
| Soil | C | 12/16/2013 | F | T | 3 | 24 | A | 1.74 | 25.79  | 0.19 | 2.9   | 101.2 | 3.09  | 0.083 | 6.27 |
| Soil | C | 12/16/2013 | F | T | 3 | 36 | A | 2.50 | 28.85  | 0.18 | 2.6   | 76.4  | 4.12  | 0.102 | 6.01 |
| Soil | C | 12/16/2013 | F | T | 4 | 12 | A | 1.28 | 28.01  | 0.41 | 138.4 | 190.2 | 7.17  | 0.082 | 6.54 |
| Soil | C | 12/16/2013 | F | T | 4 | 24 | A | 2.42 | 10.39  | 0.22 | 45.5  | 75.5  | 3.95  | 0.110 | 6.50 |
| Soil | C | 12/16/2013 | F | T | 4 | 36 | A | 1.74 | 11.07  | 0.16 | 47.8  | 68.5  | 3.12  | 0.113 | 6.46 |
| Soil | C | 12/16/2013 | F | C | 2 | 12 | S | 1.56 | 25.05  | 0.46 | 138.1 | 325.9 | 7.96  | 0.358 | 6.24 |
| Soil | C | 12/16/2013 | F | C | 2 | 24 | S | 2.11 | 18.53  | 0.19 | 26.7  | 90.8  | 3.48  | 0.233 | 6.06 |
| Soil | C | 12/16/2013 | F | C | 2 | 36 | S | 1.32 | 18.17  | 0.09 | 30.3  | 47.1  | 1.36  | 0.129 | 6.09 |
| Soil | C | 12/16/2013 | F | C | 4 | 12 | S | 1.30 | 11.85  | 0.39 | 131.1 | 254.5 | 6.43  | 0.156 | 6.36 |
| Soil | C | 12/16/2013 | F | C | 4 | 24 | S | 1.02 | 18.09  | 0.12 | 48.7  | 86.4  | 2.05  | 0.189 | 6.08 |
| Soil | C | 12/16/2013 | F | C | 4 | 36 | S | 1.62 | 18.09  | 0.11 | 46.9  | 79.4  | 1.69  | 0.125 | 6.18 |
| Soil | C | 12/16/2013 | F | C | 6 | 12 | S | 1.50 | 16.17  | 0.43 | 116.5 | 359.2 | 7.64  | 0.207 | 6.05 |
| Soil | C | 12/16/2013 | F | C | 6 | 24 | S | 1.37 | 17.14  | 0.11 | 59.5  | 82.0  | 2.26  | 0.157 | 5.95 |
| Soil | C | 12/16/2013 | F | C | 6 | 36 | S | 1.98 | 15.33  | 0.08 | 45.9  | 54.4  | 1.88  | 0.108 | 6.09 |
| Soil | C | 1/13/2014  | W | T | 2 | 12 | A | 2.08 | 6.49   | 0.54 | 336.0 | 765.0 | 10.44 | 0.090 | 6.18 |
| Soil | C | 1/13/2014  | W | T | 2 | 24 | A | 5.12 | 2.36   | 0.16 | 4.5   | 111.0 | 2.66  | 0.070 | 6.32 |
| Soil | C | 1/13/2014  | W | T | 2 | 36 | A | 3.10 | 1.28   | 0.09 | 7.7   | 99.3  | 1.28  | 0.090 | 6.28 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | C | 1/13/2014 | W | T | 3 | 12 | A | 1.54  | 5.02  | 0.43 | 244.0 | 583.0 | 7.81  | 0.070 | 6.36 |
| Soil | C | 1/13/2014 | W | T | 3 | 24 | A | 6.28  | 4.58  | 0.28 | 49.5  | 267.0 | 8.72  | 0.090 | 6.24 |
| Soil | C | 1/13/2014 | W | T | 3 | 36 | A | 4.90  | 3.33  | 0.17 | 21.1  | 141.0 | 6.66  | 0.110 | 5.62 |
| Soil | C | 1/13/2014 | W | T | 4 | 12 | A | 4.96  | 2.15  | 0.40 | 226.0 | 498.0 | 7.15  | 0.080 | 6.48 |
| Soil | C | 1/13/2014 | W | T | 4 | 24 | A | 4.27  | 1.43  | 0.17 | 7.9   | 108.0 | 3.33  | 0.070 | 6.53 |
| Soil | C | 1/13/2014 | W | T | 4 | 36 | A | 3.12  | 0.64  | 0.05 | 58.5  | 167.0 | 1.31  | 0.060 | 6.54 |
| Soil | C | 1/13/2014 | W | C | 2 | 12 | S | 10.30 | 7.60  | 0.56 | 287.0 | 815.0 | 10.07 | 0.080 | 6.42 |
| Soil | C | 1/13/2014 | W | C | 2 | 24 | S | 4.64  | 4.09  | 0.14 | 10.9  | 150.0 | 2.56  | 0.130 | 6.38 |
| Soil | C | 1/13/2014 | W | C | 2 | 36 | S | 3.61  | 6.94  | 0.11 | 5.4   | 109.0 | 1.99  | 0.130 | 6.51 |
| Soil | C | 1/13/2014 | W | C | 4 | 12 | S | 8.24  | 5.08  | 0.43 | 117.0 | 592.0 | 7.62  | 0.030 | 6.55 |
| Soil | C | 1/13/2014 | W | C | 4 | 24 | S | 8.22  | 9.76  | 0.22 | 5.9   | 66.3  | 4.07  | 0.110 | 6.49 |
| Soil | C | 1/13/2014 | W | C | 4 | 36 | S | 5.29  | 4.79  | 0.14 | 4.7   | 90.2  | 2.42  | 0.110 | 6.37 |
| Soil | C | 1/13/2014 | W | C | 6 | 12 | S | 12.20 | 6.66  | 0.43 | 239.0 | 658.0 | 7.66  | 0.080 | 6.53 |
| Soil | C | 1/13/2014 | W | C | 6 | 24 | S | 10.40 | 2.69  | 0.19 | 4.2   | 205.0 | 4.26  | 0.110 | 6.66 |
| Soil | C | 1/13/2014 | W | C | 6 | 36 | S | 3.08  | 6.22  | 0.18 | 19.7  | 155.0 | 3.45  | 0.130 | 6.37 |
| Soil | C | 1/31/2014 | W | T | 2 | 12 | A | 7.74  | 10.20 | 0.44 | 212.0 | 185.0 | 7.87  | 0.120 | 6.37 |
| Soil | C | 1/31/2014 | W | T | 2 | 24 | A | 4.23  | 3.15  | 0.13 | 33.7  | 62.2  | 1.86  | 0.080 | 6.22 |
| Soil | C | 1/31/2014 | W | T | 2 | 36 | A | 3.34  | 2.68  | 0.11 | 30.4  | 58.7  | 1.50  | 0.060 | 6.26 |
| Soil | C | 1/31/2014 | W | T | 3 | 12 | A | 8.68  | 9.56  | 0.49 | 347.0 | 350.0 | 8.70  | 0.160 | 6.22 |
| Soil | C | 1/31/2014 | W | T | 3 | 24 | A | 5.58  | 6.10  | 0.28 | 70.9  | 142.0 | 5.39  | 0.090 | 6.11 |
| Soil | C | 1/31/2014 | W | T | 3 | 36 | A | 2.75  | 4.22  | 0.10 | 33.9  | 58.6  | 1.36  | 0.090 | 5.88 |
| Soil | C | 1/31/2014 | W | T | 4 | 12 | A | 5.66  | 6.19  | 0.10 | 188.0 | 467.0 | 1.22  | 0.090 | 6.50 |
| Soil | C | 1/31/2014 | W | T | 4 | 24 | A | 3.39  | 4.43  | 0.16 | 50.4  | 74.8  | 2.39  | 0.070 | 6.54 |
| Soil | C | 1/31/2014 | W | T | 4 | 36 | A | 5.60  | 6.98  | 0.08 | 65.7  | 79.4  | 1.02  | 0.080 | 6.50 |
| Soil | C | 1/31/2014 | W | C | 2 | 12 | S | 6.64  | 3.35  | 0.56 | 464.0 | 414.0 | 9.34  | 0.060 | 6.43 |
| Soil | C | 1/31/2014 | W | C | 2 | 24 | S | 3.38  | 5.86  | 0.18 | 31.6  | 98.8  | 2.75  | 0.080 | 6.25 |
| Soil | C | 1/31/2014 | W | C | 2 | 36 | S | 2.56  | 5.34  | 0.17 | 45.5  | 65.1  | 2.31  | 0.090 | 6.24 |
| Soil | C | 1/31/2014 | W | C | 4 | 12 | S | 5.82  | 6.87  | 0.42 | 292.0 | 343.0 | 7.21  | 0.060 | 6.33 |
| Soil | C | 1/31/2014 | W | C | 4 | 24 | S | 3.89  | 5.63  | 0.18 | 45.5  | 84.5  | 3.00  | 0.050 | 6.23 |
| Soil | C | 1/31/2014 | W | C | 4 | 36 | S | 2.19  | 5.11  | 0.10 | 80.7  | 59.6  | 1.38  | 0.050 | 6.32 |

|      |   |           |    |   |   |    |   |      |      |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|------|------|------|-------|-------|------|-------|------|
| Soil | C | 1/31/2014 | W  | C | 6 | 12 | S | 5.79 | 7.85 | 0.39 | 223.0 | 298.0 | 6.81 | 0.090 | 6.28 |
| Soil | C | 1/31/2014 | W  | C | 6 | 24 | S | 3.04 | 5.00 | 0.14 | 36.7  | 90.8  | 2.14 | 0.080 | 6.34 |
| Soil | C | 1/31/2014 | W  | C | 6 | 36 | S | 4.00 | 8.59 | 0.09 | 61.3  | 94.7  | 1.24 | 0.090 | 6.24 |
| Soil | C | 3/6/2014  | W  | T | 2 | 12 | A | 7.58 | 8.85 | 0.43 | 168.9 | 525.5 | 7.62 | 0.109 | 6.62 |
| Soil | C | 3/6/2014  | W  | T | 2 | 24 | A | 5.09 | 9.43 | 0.14 | 3.1   | 77.1  | 1.90 | 0.123 | 6.66 |
| Soil | C | 3/6/2014  | W  | T | 2 | 36 | A | 6.84 | 4.47 | 0.10 | 8.7   | 93.3  | 1.41 | 0.081 | 6.62 |
| Soil | C | 3/6/2014  | W  | T | 3 | 12 | A | 9.84 | 6.91 | 0.51 | 363.3 | 776.9 | 8.85 | 0.091 | 6.72 |
| Soil | C | 3/6/2014  | W  | T | 3 | 24 | A | 5.04 | 7.28 | 0.24 | 18.5  | 178.2 | 4.59 | 0.107 | 6.44 |
| Soil | C | 3/6/2014  | W  | T | 3 | 36 | A | 5.21 | 9.76 | 0.16 | 31.9  | 89.0  | 3.13 | 0.136 | 6.31 |
| Soil | C | 3/6/2014  | W  | T | 4 | 12 | A | 5.39 | 3.97 | 0.47 | 286.9 | 613.4 | 7.91 | 0.083 | 6.71 |
| Soil | C | 3/6/2014  | W  | T | 4 | 24 | A | 2.94 | 2.83 | 0.15 | 59.1  | 178.3 | 3.01 | 0.068 | 6.85 |
| Soil | C | 3/6/2014  | W  | T | 4 | 36 | A | 2.31 | 2.26 | 0.13 | 46.4  | 104.8 | 2.42 | 0.059 | 6.73 |
| Soil | C | 3/6/2014  | W  | C | 2 | 12 | S | 4.02 | 5.91 | 0.48 | 356.9 | 708.1 | 8.03 | 0.068 | 6.56 |
| Soil | C | 3/6/2014  | W  | C | 2 | 24 | S | 3.64 | 2.77 | 0.16 | 97.4  | 177.7 | 2.46 | 0.066 | 6.58 |
| Soil | C | 3/6/2014  | W  | C | 2 | 36 | S | 2.03 | 2.84 | 0.11 | 82.8  | 130.8 | 1.28 | 0.061 | 6.53 |
| Soil | C | 3/6/2014  | W  | C | 4 | 12 | S | 3.98 | 3.77 | 0.33 | 219.4 | 527.7 | 5.48 | 0.080 | 6.65 |
| Soil | C | 3/6/2014  | W  | C | 4 | 24 | S | 2.08 | 1.96 | 0.18 | 65.0  | 203.8 | 2.66 | 0.080 | 6.74 |
| Soil | C | 3/6/2014  | W  | C | 4 | 36 | S | 2.07 | 0.96 | 0.09 | 75.2  | 122.1 | 1.43 | 0.066 | 6.64 |
| Soil | C | 3/6/2014  | W  | C | 6 | 12 | S | 4.93 | 3.62 | 0.41 | 255.6 | 596.7 | 7.58 | 0.067 | 6.67 |
| Soil | C | 3/6/2014  | W  | C | 6 | 24 | S | 3.14 | 3.78 | 0.22 | 75.5  | 203.0 | 3.78 | 0.075 | 6.76 |
| Soil | C | 3/6/2014  | W  | C | 6 | 36 | S | 2.67 | 3.44 | 0.14 | 28.1  | 124.0 | 1.97 | 0.068 | 6.81 |
| Soil | C | 4/1/2014  | SP | T | 2 | 12 | A | 0.88 | 4.74 | 0.50 | 153.6 | 468.8 | 8.27 | 0.223 | 6.71 |
| Soil | C | 4/1/2014  | SP | T | 2 | 24 | A | 0.46 | 8.61 | 0.13 | 84.7  | 46.6  | 2.79 | 0.199 | 6.78 |
| Soil | C | 4/1/2014  | SP | T | 2 | 36 | A | 0.25 | 6.71 | 0.10 | 74.5  | 72.2  | 1.69 | 0.331 | 6.65 |
| Soil | C | 4/1/2014  | SP | T | 3 | 12 | A | 1.24 | 8.07 | 0.42 | 241.3 | 451.1 | 7.74 | 0.212 | 6.51 |
| Soil | C | 4/1/2014  | SP | T | 3 | 24 | A | 0.86 | 6.15 | 0.19 | 104.4 | 63.0  | 3.11 | 0.142 | 6.51 |
| Soil | C | 4/1/2014  | SP | T | 3 | 36 | A | 0.69 | 7.68 | 0.15 | 63.0  | 63.7  | 4.15 | 0.268 | 6.07 |
| Soil | C | 4/1/2014  | SP | T | 4 | 12 | A | 1.02 | 3.87 | 0.46 | 213.8 | 381.7 | 8.54 | 0.102 | 6.49 |
| Soil | C | 4/1/2014  | SP | T | 4 | 24 | A | 0.58 | 2.07 | 0.13 | 50.1  | 82.2  | 2.46 | 0.109 | 6.59 |
| Soil | C | 4/1/2014  | SP | T | 4 | 36 | A | 0.64 | 2.29 | 0.10 | 89.3  | 77.5  | 1.68 | 0.112 | 6.57 |

|      |   |           |    |   |   |    |   |      |       |      |       |       |       |       |      |
|------|---|-----------|----|---|---|----|---|------|-------|------|-------|-------|-------|-------|------|
| Soil | C | 4/1/2014  | SP | C | 2 | 12 | S | 1.82 | 4.94  | 0.50 | 259.2 | 527.0 | 8.73  | 0.123 | 6.50 |
| Soil | C | 4/1/2014  | SP | C | 2 | 24 | S | 0.69 | 1.86  | 0.15 | 108.9 | 52.6  | 2.75  | 0.178 | 6.39 |
| Soil | C | 4/1/2014  | SP | C | 2 | 36 | S | 0.75 | 1.59  | 0.08 | 60.3  | 115.0 | 1.25  | 0.167 | 6.30 |
| Soil | C | 4/1/2014  | SP | C | 4 | 12 | S | 4.25 | 12.35 | 0.42 | 203.1 | 454.4 | 7.13  | 0.146 | 6.25 |
| Soil | C | 4/1/2014  | SP | C | 4 | 24 | S | 1.22 | 2.70  | 0.13 | 91.9  | 82.3  | 2.28  | 0.302 | 6.38 |
| Soil | C | 4/1/2014  | SP | C | 4 | 36 | S | 0.85 | 2.27  | 0.12 | 85.7  | 117.3 | 2.00  | 0.149 | 6.38 |
| Soil | C | 4/1/2014  | SP | C | 6 | 12 | S | 2.94 | 5.57  | 0.47 | 321.0 | 581.4 | 8.24  | 0.138 | 6.52 |
| Soil | C | 4/1/2014  | SP | C | 6 | 24 | S | 3.11 | 3.55  | 0.23 | 99.8  | 92.9  | 5.04  | 0.166 | 6.62 |
| Soil | C | 4/1/2014  | SP | C | 6 | 36 | S | 1.09 | 1.01  | 0.13 | 102.6 | 64.9  | 2.57  | 0.135 | 6.66 |
| Soil | C | 4/22/2014 | SP | T | 2 | 12 | A | 0.60 | 3.56  | 0.55 | 315.1 | 365.4 | 11.00 | 0.139 | 6.63 |
| Soil | C | 4/22/2014 | SP | T | 2 | 24 | A | 0.25 | 1.28  | 0.19 | 24.1  | 60.2  | 3.70  | 0.087 | 6.50 |
| Soil | C | 4/22/2014 | SP | T | 2 | 36 | A | 0.83 | 7.02  | 0.12 | 19.8  | 73.6  | 2.90  | 0.106 | 6.34 |
| Soil | C | 4/22/2014 | SP | T | 3 | 12 | A | 0.66 | 2.90  | 0.44 | 301.4 | 173.4 | 8.13  | 0.157 | 6.20 |
| Soil | C | 4/22/2014 | SP | T | 3 | 24 | A | 0.52 | 4.34  | 0.16 | 80.8  | 117.7 | 3.20  | 0.116 | 6.33 |
| Soil | C | 4/22/2014 | SP | T | 3 | 36 | A | 0.50 | 7.76  | 0.12 | 49.1  | 53.6  | 4.56  | 0.159 | 5.93 |
| Soil | C | 4/22/2014 | SP | T | 4 | 12 | A | 0.25 | 3.60  | 0.44 | 270.4 | 249.2 | 7.84  | 0.180 | 6.38 |
| Soil | C | 4/22/2014 | SP | T | 4 | 24 | A | 1.45 | 2.50  | 0.14 | 18.2  | 40.6  | 3.29  | 0.084 | 6.85 |
| Soil | C | 4/22/2014 | SP | T | 4 | 36 | A | 0.63 | 0.71  | 0.06 | 35.3  | 72.6  | 1.10  | 0.106 | 6.78 |
| Soil | C | 4/22/2014 | SP | C | 2 | 12 | S | 0.39 | 5.08  | 0.47 | 377.3 | 254.2 | 8.45  | 0.169 | 6.51 |
| Soil | C | 4/22/2014 | SP | C | 2 | 24 | S | 0.25 | 4.15  | 0.16 | 55.2  | 129.1 | 33.50 | 0.173 | 6.43 |
| Soil | C | 4/22/2014 | SP | C | 2 | 36 | S | 0.80 | 2.49  | 0.10 | 70.2  | 88.7  | 1.73  | 0.110 | 6.51 |
| Soil | C | 4/22/2014 | SP | C | 4 | 12 | S | 0.25 | 7.63  | 0.40 | 153.4 | 314.9 | 7.16  | 0.168 | 6.29 |
| Soil | C | 4/22/2014 | SP | C | 4 | 24 | S | 0.69 | 8.63  | 0.16 | 45.4  | 104.4 | 3.19  | 0.088 | 6.43 |
| Soil | C | 4/22/2014 | SP | C | 4 | 36 | S | 0.25 | 5.08  | 0.06 | 66.2  | 99.3  | 1.28  | 0.080 | 6.41 |
| Soil | C | 4/22/2014 | SP | C | 6 | 12 | S | 0.28 | 4.15  | 0.51 | 308.6 | 209.3 | 9.21  | 0.167 | 6.41 |
| Soil | C | 4/22/2014 | SP | C | 6 | 24 | S | 0.25 | 2.49  | 0.14 | 113.7 | 127.7 | 3.14  | 0.095 | 6.75 |
| Soil | C | 4/22/2014 | SP | C | 6 | 36 | S | 0.77 | 7.63  | 0.06 | 100.9 | 60.1  | 1.21  | 0.090 | 6.67 |
| Soil | C | 5/20/2014 | SP | T | 2 | 12 | A | 0.64 | 7.62  | 0.59 | 211.5 | 773.1 | 6.81  | 0.326 | 6.48 |
| Soil | C | 5/20/2014 | SP | T | 2 | 24 | A | 2.24 | 4.41  | 0.36 | 33.8  | 144.7 | 3.03  | 0.082 | 6.72 |
| Soil | C | 5/20/2014 | SP | T | 2 | 36 | A | 1.23 | 4.73  | 0.33 | 39.0  | 141.7 | 2.43  | 0.115 | 6.76 |

|      |   |           |    |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | C | 5/20/2014 | SP | T | 3 | 12 | A | 2.13 | 7.55  | 0.61 | 187.5 | 699.6 | 6.21 | 0.163 | 6.39 |
| Soil | C | 5/20/2014 | SP | T | 3 | 24 | A | 1.26 | 3.20  | 0.38 | 20.6  | 126.4 | 2.36 | 0.097 | 6.71 |
| Soil | C | 5/20/2014 | SP | T | 3 | 36 | A | 2.04 | 3.84  | 0.14 | 46.3  | 177.8 | 2.00 | 0.097 | 6.61 |
| Soil | C | 5/20/2014 | SP | T | 4 | 12 | A | 1.34 | 5.74  | 0.68 | 160.9 | 412.6 | 5.22 | 0.153 | 6.57 |
| Soil | C | 5/20/2014 | SP | T | 4 | 24 | A | 1.37 | 4.76  | 0.46 | 5.1   | 72.8  | 2.59 | 0.142 | 6.81 |
| Soil | C | 5/20/2014 | SP | T | 4 | 36 | A | 0.90 | 3.51  | 0.58 | 12.3  | 82.8  | 1.33 | 0.100 | 6.94 |
| Soil | C | 5/20/2014 | SP | C | 2 | 12 | S | 1.57 | 9.67  | 0.45 | 183.4 | 682.8 | 5.05 | 0.134 | 6.69 |
| Soil | C | 5/20/2014 | SP | C | 2 | 24 | S | 1.18 | 1.90  | 0.16 | 54.6  | 185.6 | 2.64 | 0.093 | 6.81 |
| Soil | C | 5/20/2014 | SP | C | 2 | 36 | S | 1.57 | 3.12  | 0.15 | 25.0  | 154.9 | 1.95 | 0.087 | 6.76 |
| Soil | C | 5/20/2014 | SP | C | 4 | 12 | S | 1.32 | 9.52  | 0.37 | 131.8 | 376.1 | 4.40 | 0.149 | 6.49 |
| Soil | C | 5/20/2014 | SP | C | 4 | 24 | S | 1.32 | 4.27  | 0.13 | 41.9  | 121.9 | 1.71 | 0.089 | 6.67 |
| Soil | C | 5/20/2014 | SP | C | 4 | 36 | S | 2.39 | 5.55  | 0.82 | 38.3  | 111.8 | 1.66 | 0.094 | 6.58 |
| Soil | C | 5/20/2014 | SP | C | 6 | 12 | S | 1.83 | 7.17  | 0.82 | 134.4 | 383.4 | 4.53 | 0.167 | 6.53 |
| Soil | C | 5/20/2014 | SP | C | 6 | 24 | S | 0.94 | 7.77  | 0.67 | 19.8  | 119.9 | 1.28 | 0.111 | 6.74 |
| Soil | C | 5/20/2014 | SP | C | 6 | 36 | S | 1.00 | 3.10  | 0.62 | 55.9  | 131.9 | 0.64 | 0.085 | 6.76 |
| Soil | C | 6/25/2014 | SP | T | 2 | 12 | A | 1.86 | 7.08  | 0.36 | 52.7  | 318.3 | 6.72 | 0.176 | 5.93 |
| Soil | C | 6/25/2014 | SP | T | 2 | 24 | A | 1.35 | 4.74  | 0.16 | 12.7  | 112.5 | 2.47 | 0.102 | 5.98 |
| Soil | C | 6/25/2014 | SP | T | 2 | 36 | A | 1.31 | 2.03  | 0.12 | 15.7  | 97.4  | 1.78 | 0.097 | 5.85 |
| Soil | C | 6/25/2014 | SP | T | 3 | 12 | A | 2.61 | 33.99 | 0.39 | 160.7 | 478.6 | 6.93 | 0.510 | 5.77 |
| Soil | C | 6/25/2014 | SP | T | 3 | 24 | A | 5.20 | 8.38  | 0.16 | 20.3  | 146.3 | 2.31 | 0.151 | 5.94 |
| Soil | C | 6/25/2014 | SP | T | 3 | 36 | A | 3.14 | 9.51  | 0.19 | 33.0  | 183.0 | 2.79 | 0.196 | 5.91 |
| Soil | C | 6/25/2014 | SP | T | 4 | 12 | A | 2.43 | 7.35  | 0.38 | 173.8 | 321.8 | 6.52 | 0.146 | 5.82 |
| Soil | C | 6/25/2014 | SP | T | 4 | 24 | A | 1.32 | 2.28  | 0.10 | 52.9  | 113.4 | 1.48 | 0.070 | 5.89 |
| Soil | C | 6/25/2014 | SP | T | 4 | 36 | A | 1.20 | 2.26  | 0.08 | 55.2  | 78.6  | 0.86 | 0.065 | 5.88 |
| Soil | C | 6/25/2014 | SP | C | 2 | 12 | S | 2.95 | 28.33 | 0.52 | 224.2 | 495.4 | 8.81 | 0.057 | 6.16 |
| Soil | C | 6/25/2014 | SP | C | 2 | 24 | S | 1.16 | 4.56  | 0.20 | 30.9  | 153.5 | 3.10 | 0.113 | 6.11 |
| Soil | C | 6/25/2014 | SP | C | 2 | 36 | S | 0.90 | 4.18  | 0.14 | 26.6  | 119.6 | 2.24 | 0.115 | 6.08 |
| Soil | C | 6/25/2014 | SP | C | 4 | 12 | S | 1.89 | 32.73 | 0.39 | 142.0 | 413.6 | 6.79 | 0.442 | 5.86 |
| Soil | C | 6/25/2014 | SP | C | 4 | 24 | S | 2.41 | 37.22 | 0.20 | 75.1  | 232.7 | 3.40 | 0.232 | 6.00 |
| Soil | C | 6/25/2014 | SP | C | 4 | 36 | S | 2.92 | 11.57 | 0.16 | 126.2 | 204.0 | 2.98 | 0.233 | 6.01 |

|      |   |           |    |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | C | 6/25/2014 | SP | C | 6 | 12 | S | 3.21 | 22.68 | 0.41 | 287.9 | 601.5 | 7.10 | 0.305 | 5.80 |
| Soil | C | 6/25/2014 | SP | C | 6 | 24 | S | 1.73 | 6.99  | 0.14 | 63.4  | 187.1 | 2.31 | 0.115 | 6.21 |
| Soil | C | 6/25/2014 | SP | C | 6 | 36 | S | 1.37 | 5.22  | 0.11 | 85.9  | 131.8 | 1.64 | 0.123 | 6.18 |
| Soil | C | 7/17/2014 | S  | T | 2 | 12 | A | 2.17 | 32.35 | 0.32 | 77.3  | 414.4 | 5.50 | 0.345 | 6.07 |
| Soil | C | 7/17/2014 | S  | T | 2 | 24 | A | 1.34 | 11.82 | 0.17 | 10.5  | 118.6 | 2.95 | 0.125 | 6.24 |
| Soil | C | 7/17/2014 | S  | T | 2 | 36 | A | 1.92 | 9.20  | 0.10 | 4.6   | 75.0  | 1.95 | 0.122 | 6.19 |
| Soil | C | 7/17/2014 | S  | T | 3 | 12 | A | 1.27 | 31.20 | 0.23 | 37.4  | 231.0 | 4.09 | 0.422 | 6.27 |
| Soil | C | 7/17/2014 | S  | T | 3 | 24 | A | 0.93 | 11.84 | 0.14 | 21.3  | 146.4 | 2.65 | 0.137 | 6.31 |
| Soil | C | 7/17/2014 | S  | T | 3 | 36 | A | 1.65 | 7.34  | 0.11 | 10.2  | 117.2 | 2.19 | 0.106 | 6.11 |
| Soil | C | 7/17/2014 | S  | T | 4 | 12 | A | 2.38 | 27.24 | 0.49 | 107.2 | 537.9 | 8.95 | 0.205 | 6.00 |
| Soil | C | 7/17/2014 | S  | T | 4 | 24 | A | 0.69 | 17.72 | 0.15 | 18.6  | 167.8 | 2.93 | 0.177 | 6.25 |
| Soil | C | 7/17/2014 | S  | T | 4 | 36 | A | 0.63 | 5.75  | 0.32 | 5.3   | 39.6  | 5.72 | 0.092 | 6.36 |
| Soil | C | 7/17/2014 | S  | C | 2 | 12 | S | 2.64 | 7.04  | 0.49 | 181.9 | 618.4 | 8.60 | 0.111 | 6.08 |
| Soil | C | 7/17/2014 | S  | C | 2 | 24 | S | 2.28 | 3.78  | 0.20 | 16.4  | 150.3 | 3.84 | 0.097 | 6.15 |
| Soil | C | 7/17/2014 | S  | C | 2 | 36 | S | 0.72 | 13.35 | 0.19 | 18.0  | 220.0 | 3.40 | 0.131 | 6.26 |
| Soil | C | 7/17/2014 | S  | C | 4 | 12 | S | 1.64 | 23.43 | 0.34 | 94.8  | 477.8 | 5.86 | 0.147 | 6.18 |
| Soil | C | 7/17/2014 | S  | C | 4 | 24 | S | 0.53 | 9.36  | 0.24 | 47.7  | 256.7 | 3.97 | 0.082 | 6.11 |
| Soil | C | 7/17/2014 | S  | C | 4 | 36 | S | 0.44 | 5.37  | 0.09 | 13.9  | 138.4 | 1.34 | 0.071 | 6.19 |
| Soil | C | 7/17/2014 | S  | C | 6 | 12 | S | 1.58 | 12.87 | 0.33 | 91.4  | 517.0 | 5.90 | 0.090 | 6.11 |
| Soil | C | 7/17/2014 | S  | C | 6 | 24 | S | 1.32 | 8.09  | 0.16 | 29.4  | 220.7 | 2.90 | 0.101 | 6.11 |
| Soil | C | 7/17/2014 | S  | C | 6 | 36 | S | 2.03 | 9.60  | 0.13 | 26.8  | 178.0 | 2.34 | 0.090 | 6.16 |
| Soil | C | 8/18/2014 | S  | C | 2 | 12 | S | 3.03 | 11.47 | 0.47 | 204.0 | 734.9 | 8.24 | 0.165 | 5.93 |
| Soil | C | 8/18/2014 | S  | C | 2 | 24 | S | 2.04 | 2.65  | 0.24 | 6.0   | 106.3 | 3.15 | 0.093 | 6.08 |
| Soil | C | 8/18/2014 | S  | C | 2 | 36 | S | 3.33 | 5.00  | 0.18 | 20.8  | 191.7 | 3.64 | 0.107 | 6.07 |
| Soil | C | 8/18/2014 | S  | C | 4 | 12 | S | 2.70 | 17.62 | 0.44 | 146.9 | 441.9 | 7.27 | 0.185 | 6.01 |
| Soil | C | 8/18/2014 | S  | C | 4 | 24 | S | 2.47 | 5.55  | 0.18 | 4.3   | 120.6 | 2.73 | 0.077 | 6.11 |
| Soil | C | 8/18/2014 | S  | C | 4 | 36 | S | 2.20 | 3.24  | 0.16 | 9.7   | 109.3 | 2.14 | 0.061 | 6.01 |
| Soil | C | 8/18/2014 | S  | C | 6 | 12 | S | 1.72 | 9.36  | 0.31 | 49.8  | 291.3 | 4.77 | 0.140 | 6.07 |
| Soil | C | 8/18/2014 | S  | C | 6 | 24 | S | 2.57 | 5.94  | 0.18 | 23.0  | 145.5 | 2.33 | 0.074 | 6.34 |
| Soil | C | 8/18/2014 | S  | C | 6 | 36 | S | 4.31 | 11.44 | 0.36 | 39.1  | 152.9 | 3.18 | 0.153 | 5.93 |

|      |   |           |   |   |   |    |   |      |       |      |       |        |      |       |      |
|------|---|-----------|---|---|---|----|---|------|-------|------|-------|--------|------|-------|------|
| Soil | C | 8/18/2014 | S | T | 2 | 12 | A | 4.24 | 14.68 | 0.44 | 97.8  | 400.5  | 7.29 | 0.242 | 5.96 |
| Soil | C | 8/18/2014 | S | T | 2 | 24 | A | 2.77 | 3.55  | 0.23 | 3.0   | 112.8  | 4.33 | 0.073 | 6.00 |
| Soil | C | 8/18/2014 | S | T | 2 | 36 | A | 2.99 | 3.62  | 0.56 | 23.3  | 90.8   | 2.54 | 0.075 | 5.52 |
| Soil | C | 8/18/2014 | S | T | 3 | 12 | A | 3.57 | 7.91  | 0.45 | 123.5 | 504.4  | 7.56 | 0.172 | 6.24 |
| Soil | C | 8/18/2014 | S | T | 3 | 24 | A | 2.68 | 2.37  | 0.16 | 11.3  | 126.0  | 2.34 | 0.082 | 6.14 |
| Soil | C | 8/18/2014 | S | T | 3 | 36 | A | 2.13 | 2.27  | 0.13 | 29.2  | 134.9  | 1.59 | 0.079 | 6.24 |
| Soil | C | 8/18/2014 | S | T | 4 | 12 | A | 2.94 | 5.02  | 0.47 | 184.2 | 696.2  | 8.36 | 0.121 | 6.12 |
| Soil | C | 8/18/2014 | S | T | 4 | 24 | A | 2.02 | 3.22  | 0.43 | 13.3  | 116.4  | 2.84 | 0.062 | 6.04 |
| Soil | C | 8/18/2014 | S | T | 4 | 36 | A | 1.94 | 1.72  | 0.16 | 15.1  | 114.1  | 1.63 | 0.058 | 6.35 |
| Soil | C | 9/15/2014 | S | C | 2 | 12 | S | 4.00 | 4.45  | 0.52 | 198.2 | 714.3  | 8.60 | 0.162 | 6.09 |
| Soil | C | 9/15/2014 | S | C | 2 | 24 | S | 1.36 | 1.23  | 0.25 | 44.9  | 250.2  | 4.36 | 0.109 | 6.10 |
| Soil | C | 9/15/2014 | S | C | 2 | 36 | S | 1.65 | 0.65  | 0.18 | 22.9  | 195.6  | 3.05 | 0.084 | 6.08 |
| Soil | C | 9/15/2014 | S | C | 4 | 12 | S | 2.16 | 7.59  | 0.44 | 114.1 | 410.6  | 7.28 | 0.165 | 6.03 |
| Soil | C | 9/15/2014 | S | C | 4 | 24 | S | 1.11 | 1.11  | 0.20 | 12.4  | 98.2   | 3.10 | 0.100 | 6.22 |
| Soil | C | 9/15/2014 | S | C | 4 | 36 | S | 1.32 | 0.71  | 0.16 | 8.8   | 122.9  | 2.45 | 0.089 | 6.09 |
| Soil | C | 9/15/2014 | S | C | 6 | 12 | S | 3.50 | 60.12 | 0.51 | 181.5 | 594.5  | 8.18 | 0.387 | 6.01 |
| Soil | C | 9/15/2014 | S | C | 6 | 24 | S | 1.13 | 20.46 | 0.16 | 31.4  | 179.6  | 2.77 | 0.169 | 6.17 |
| Soil | C | 9/15/2014 | S | C | 6 | 36 | S | 1.79 | 17.10 | 0.18 | 105.2 | 315.8  | 3.02 | 0.165 | 6.19 |
| Soil | C | 9/15/2014 | S | T | 2 | 12 | A | 3.84 | 6.79  | 0.52 | 221.3 | 624.7  | 9.06 | 0.205 | 6.14 |
| Soil | C | 9/15/2014 | S | T | 2 | 24 | A | 1.92 | 1.85  | 0.26 | 52.6  | 199.8  | 4.16 | 0.118 | 6.12 |
| Soil | C | 9/15/2014 | S | T | 2 | 36 | A | 1.58 | 7.41  | 0.13 | 22.2  | 98.8   | 2.06 | 0.115 | 6.12 |
| Soil | C | 9/15/2014 | S | T | 3 | 12 | A | 4.10 | 32.94 | 0.52 | 197.5 | 647.4  | 8.60 | 0.279 | 5.87 |
| Soil | C | 9/15/2014 | S | T | 3 | 24 | A | 1.99 | 5.62  | 0.33 | 31.9  | 227.6  | 6.02 | 0.125 | 5.88 |
| Soil | C | 9/15/2014 | S | T | 3 | 36 | A | 1.33 | 10.71 | 0.21 | 36.5  | 187.9  | 3.25 | 0.113 | 5.86 |
| Soil | C | 9/15/2014 | S | T | 4 | 12 | A | 3.48 | 25.96 | 0.47 | 167.1 | 566.7  | 7.62 | 0.259 | 6.13 |
| Soil | C | 9/15/2014 | S | T | 4 | 24 | A | 1.78 | 58.25 | 0.17 | 20.8  | 132.9  | 2.63 | 0.330 | 6.17 |
| Soil | C | 9/15/2014 | S | T | 4 | 36 | A | 1.05 | 57.77 | 0.12 | 31.7  | 110.1  | 1.23 | 0.309 | 5.94 |
| Soil | C | 10/8/2014 | F | C | 2 | 12 | S | 6.72 | 3.71  | 0.55 | 583.1 | 1132.4 | 9.57 | 0.363 | 5.74 |
| Soil | C | 10/8/2014 | F | C | 2 | 24 | S | 4.68 | 5.81  | 0.22 | 16.5  | 148.9  | 3.74 | 0.169 | 6.08 |
| Soil | C | 10/8/2014 | F | C | 2 | 36 | S | 1.33 | 3.63  | 0.16 | 13.8  | 127.3  | 4.67 | 0.083 | 5.99 |

|      |   |            |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | C | 10/8/2014  | F | C | 4 | 12 | S | 3.99  | 27.16 | 0.41 | 296.6 | 789.9 | 7.29  | 0.260 | 5.75 |
| Soil | C | 10/8/2014  | F | C | 4 | 24 | S | 1.99  | 5.89  | 0.16 | 31.9  | 159.0 | 2.57  | 0.118 | 5.90 |
| Soil | C | 10/8/2014  | F | C | 4 | 36 | S | 2.41  | 2.55  | 0.11 | 19.1  | 138.5 | 1.90  | 0.069 | 6.24 |
| Soil | C | 10/8/2014  | F | C | 6 | 12 | S | 2.74  | 23.35 | 0.38 | 117.9 | 521.9 | 7.16  | 0.185 | 5.99 |
| Soil | C | 10/8/2014  | F | C | 6 | 24 | S | 3.57  | 10.88 | 0.14 | 11.6  | 149.1 | 2.47  | 0.157 | 6.25 |
| Soil | C | 10/8/2014  | F | C | 6 | 36 | S | 4.94  | 16.01 | 0.20 | 29.6  | 203.4 | 3.67  | 0.215 | 6.07 |
| Soil | C | 10/8/2014  | F | T | 2 | 12 | A | 6.74  | 41.03 | 0.62 | 408.0 | 870.1 | 10.83 | 0.422 | 6.16 |
| Soil | C | 10/8/2014  | F | T | 2 | 24 | A | 2.51  | 7.68  | 0.24 | 21.9  | 135.6 | 5.05  | 0.195 | 6.23 |
| Soil | C | 10/8/2014  | F | T | 2 | 36 | A | 1.97  | 1.93  | 0.16 | 13.9  | 100.5 | 3.73  | 0.089 | 6.18 |
| Soil | C | 10/8/2014  | F | T | 3 | 12 | A | 19.40 | 12.58 | 0.69 | 291.8 | 597.2 | 10.55 | 0.300 | 6.02 |
| Soil | C | 10/8/2014  | F | T | 3 | 24 | A | 2.81  | 0.69  | 0.23 | 30.3  | 150.5 | 4.61  | 0.100 | 6.23 |
| Soil | C | 10/8/2014  | F | T | 3 | 36 | A | 3.11  | 0.43  | 0.15 | 10.4  | 118.0 | 2.84  | 0.089 | 6.21 |
| Soil | C | 10/8/2014  | F | T | 4 | 12 | A | 3.04  | 48.24 | 0.43 | 167.5 | 520.8 | 7.19  | 0.403 | 5.78 |
| Soil | C | 10/8/2014  | F | T | 4 | 24 | A | 1.55  | 21.32 | 0.18 | 10.8  | 130.4 | 2.70  | 0.220 | 5.97 |
| Soil | C | 10/8/2014  | F | T | 4 | 36 | A | 1.50  | 0.26  | 0.10 | 16.2  | 108.3 | 1.50  | 0.076 | 5.88 |
| Soil | C | 10/24/2014 | F | C | 2 | 12 | S | 3.77  | 12.80 | 0.44 | 262.9 | 649.6 | 7.68  | 0.232 | 6.11 |
| Soil | C | 10/24/2014 | F | C | 2 | 24 | S | 2.07  | 18.24 | 0.19 | 32.2  | 172.5 | 3.33  | 0.222 | 6.05 |
| Soil | C | 10/24/2014 | F | C | 2 | 36 | S | 2.40  | 10.34 | 0.13 | 32.5  | 151.1 | 1.96  | 0.206 | 6.09 |
| Soil | C | 10/24/2014 | F | C | 4 | 12 | S | 6.38  | 40.99 | 0.44 | 220.3 | 513.6 | 7.16  | 0.461 | 5.81 |
| Soil | C | 10/24/2014 | F | C | 4 | 24 | S | 4.08  | 64.62 | 0.27 | 23.8  | 109.7 | 4.43  | 0.331 | 5.90 |
| Soil | C | 10/24/2014 | F | C | 4 | 36 | S | 1.48  | 7.68  | 0.15 | 34.9  | 130.6 | 2.26  | 0.317 | 5.91 |
| Soil | C | 10/24/2014 | F | C | 6 | 12 | S | 3.26  | 9.89  | 0.40 | 218.9 | 531.8 | 6.78  | 0.148 | 6.12 |
| Soil | C | 10/24/2014 | F | C | 6 | 24 | S | 2.15  | 3.18  | 0.19 | 50.9  | 171.3 | 3.06  | 0.155 | 6.03 |
| Soil | C | 10/24/2014 | F | C | 6 | 36 | S | 2.55  | 6.98  | 0.14 | 37.3  | 138.3 | 2.02  | 0.143 | 6.06 |
| Soil | C | 10/24/2014 | F | T | 2 | 12 | A | 4.10  | 14.04 | 0.36 | 320.2 | 594.8 | 6.17  | 0.201 | 6.01 |
| Soil | C | 10/24/2014 | F | T | 2 | 24 | A | 2.20  | 15.82 | 0.18 | 58.3  | 204.2 | 3.39  | 0.158 | 6.00 |
| Soil | C | 10/24/2014 | F | T | 2 | 36 | A | 0.98  | 4.09  | 0.08 | 28.1  | 86.4  | 1.09  | 0.104 | 6.25 |
| Soil | C | 10/24/2014 | F | T | 3 | 12 | A | 3.39  | 14.48 | 0.43 | 145.2 | 418.9 | 7.75  | 0.188 | 6.10 |
| Soil | C | 10/24/2014 | F | T | 3 | 24 | A | 0.98  | 16.63 | 0.13 | 14.8  | 88.8  | 1.78  | 0.151 | 6.11 |
| Soil | C | 10/24/2014 | F | T | 3 | 36 | A | 1.02  | 5.24  | 0.10 | 18.5  | 79.7  | 1.66  | 0.133 | 5.97 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | C | 10/24/2014 | F | T | 4 | 12 | A | 4.06 | 3.24  | 0.50 | 225.5 | 533.5 | 8.55 | 0.189 | 6.03 |
| Soil | C | 10/24/2014 | F | T | 4 | 24 | A | 2.29 | 4.06  | 0.27 | 36.7  | 170.4 | 5.09 | 0.161 | 6.16 |
| Soil | C | 10/24/2014 | F | T | 4 | 36 | A | 0.82 | 2.99  | 0.09 | 93.4  | 130.0 | 1.03 | 0.105 | 6.27 |
| Soil | C | 11/7/2014  | F | C | 2 | 12 | S | 4.56 | 19.44 | 0.39 | 135.7 | 495.7 | 3.17 | 0.173 | 6.12 |
| Soil | C | 11/7/2014  | F | C | 2 | 24 | S | 2.30 | 35.27 | 0.17 | 8.4   | 122.7 | 2.58 | 0.182 | 5.97 |
| Soil | C | 11/7/2014  | F | C | 2 | 36 | S | 3.79 | 27.43 | 0.14 | 11.9  | 132.2 | 7.35 | 0.190 | 5.94 |
| Soil | C | 11/7/2014  | F | C | 4 | 12 | S | 3.68 | 1.64  | 0.38 | 136.6 | 520.1 | 6.63 | 0.156 | 6.17 |
| Soil | C | 11/7/2014  | F | C | 4 | 24 | S | 2.99 | 10.97 | 0.12 | 15.2  | 124.5 | 2.27 | 0.148 | 6.20 |
| Soil | C | 11/7/2014  | F | C | 4 | 36 | S | 1.95 | 20.11 | 0.07 | 7.9   | 106.9 | 1.49 | 0.137 | 6.11 |
| Soil | C | 11/7/2014  | F | C | 6 | 12 | S | 4.49 | 10.70 | 0.34 | 98.4  | 385.0 | 6.39 | 0.128 | 6.12 |
| Soil | C | 11/7/2014  | F | C | 6 | 24 | S | 3.41 | 4.74  | 0.11 | 17.6  | 121.3 | 1.96 | 0.106 | 6.28 |
| Soil | C | 11/7/2014  | F | C | 6 | 36 | S | 5.40 | 10.92 | 0.18 | 58.7  | 270.5 | 3.32 | 0.140 | 6.20 |
| Soil | C | 11/7/2014  | F | T | 2 | 12 | A | 5.70 | 2.51  | 0.49 | 172.2 | 690.3 | 3.02 | 0.123 | 6.25 |
| Soil | C | 11/7/2014  | F | T | 2 | 24 | A | 3.18 | 2.35  | 0.14 | 5.7   | 112.4 | 3.40 | 0.128 | 6.18 |
| Soil | C | 11/7/2014  | F | T | 2 | 36 | A | 2.68 | 4.66  | 0.12 | 4.3   | 65.1  | 9.05 | 0.120 | 6.05 |
| Soil | C | 11/7/2014  | F | T | 3 | 12 | A | 4.22 | 9.08  | 0.47 | 180.0 | 551.2 | 7.64 | 0.107 | 6.21 |
| Soil | C | 11/7/2014  | F | T | 3 | 24 | A | 3.73 | 11.36 | 0.35 | 22.2  | 208.8 | 4.54 | 0.115 | 6.11 |
| Soil | C | 11/7/2014  | F | T | 3 | 36 | A | 3.57 | 16.72 | 0.18 | 5.2   | 81.5  | 9.37 | 0.132 | 5.98 |
| Soil | C | 11/7/2014  | F | T | 4 | 12 | A | 6.10 | 17.45 | 0.51 | 166.8 | 636.1 | 4.83 | 0.101 | 6.55 |
| Soil | C | 11/7/2014  | F | T | 4 | 24 | A | 6.88 | 17.66 | 0.26 | 19.5  | 136.9 | 2.40 | 0.141 | 6.48 |
| Soil | C | 11/7/2014  | F | T | 4 | 36 | A | 7.25 | 7.24  | 0.13 | 4.5   | 65.9  | 7.40 | 0.109 | 6.50 |
| Soil | C | 11/24/2014 | F | C | 2 | 12 | S | 2.01 | 9.57  | 0.46 | 271.4 | 577.8 | 8.33 | 0.171 | 6.17 |
| Soil | C | 11/24/2014 | F | C | 2 | 24 | S | 1.34 | 12.89 | 0.10 | 102.7 | 183.0 | 1.73 | 0.114 | 6.09 |
| Soil | C | 11/24/2014 | F | C | 2 | 36 | S | 1.38 | 13.96 | 0.06 | 94.3  | 168.1 | 0.87 | 0.083 | 6.27 |
| Soil | C | 11/24/2014 | F | C | 4 | 12 | S | 3.09 | 13.63 | 0.41 | 230.7 | 553.1 | 7.27 | 0.167 | 6.01 |
| Soil | C | 11/24/2014 | F | C | 4 | 24 | S | 1.58 | 9.12  | 0.12 | 34.7  | 88.2  | 2.23 | 0.107 | 6.13 |
| Soil | C | 11/24/2014 | F | C | 4 | 36 | S | 1.43 | 12.66 | 0.13 | 68.1  | 181.7 | 2.35 | 0.104 | 6.11 |
| Soil | C | 11/24/2014 | F | C | 6 | 12 | S | 2.86 | 12.88 | 0.41 | 245.7 | 505.8 | 7.62 | 0.175 | 6.10 |
| Soil | C | 11/24/2014 | F | C | 6 | 24 | S | 1.71 | 11.34 | 0.17 | 57.2  | 132.6 | 3.25 | 0.103 | 6.01 |
| Soil | C | 11/24/2014 | F | C | 6 | 36 | S | 2.07 | 12.93 | 0.11 | 56.3  | 95.5  | 1.96 | 0.112 | 6.11 |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | C | 11/24/2014 | F | T | 2 | 12 | A | 4.34  | 10.44 | 0.38 | 187.9 | 580.2 | 7.04 | 0.188 | 6.29 |
| Soil | C | 11/24/2014 | F | T | 2 | 24 | A | 2.33  | 6.91  | 0.15 | 43.4  | 115.1 | 2.65 | 0.113 | 6.35 |
| Soil | C | 11/24/2014 | F | T | 2 | 36 | A | 2.15  | 12.18 | 0.07 | 50.4  | 92.5  | 0.80 | 0.131 | 6.17 |
| Soil | C | 11/24/2014 | F | T | 3 | 12 | A | 2.69  | 5.89  | 0.43 | 137.7 | 380.6 | 7.82 | 0.169 | 6.06 |
| Soil | C | 11/24/2014 | F | T | 3 | 24 | A | 2.47  | 9.09  | 0.28 | 47.3  | 179.1 | 5.25 | 0.154 | 6.11 |
| Soil | C | 11/24/2014 | F | T | 3 | 36 | A | 2.12  | 11.16 | 0.12 | 17.8  | 84.5  | 2.24 | 0.154 | 6.09 |
| Soil | C | 11/24/2014 | F | T | 4 | 12 | A | 4.04  | 7.89  | 0.49 | 273.6 | 597.6 | 8.43 | 0.164 | 6.14 |
| Soil | C | 11/24/2014 | F | T | 4 | 24 | A | 2.31  | 8.74  | 0.13 | 34.3  | 91.7  | 2.28 | 0.132 | 6.33 |
| Soil | C | 11/24/2014 | F | T | 4 | 36 | A | 1.70  | 11.46 | 0.09 | 28.5  | 82.7  | 1.68 | 0.143 | 6.37 |
| Soil | C | 12/22/2014 | F | C | 2 | 12 | S | 2.62  | 5.05  | 0.45 | 183.1 | 602.4 | 7.78 | 0.112 | 6.04 |
| Soil | C | 12/22/2014 | F | C | 2 | 24 | S | 1.62  | 7.58  | 0.14 | 19.9  | 111.8 | 1.88 | 0.082 | 6.09 |
| Soil | C | 12/22/2014 | F | C | 2 | 36 | S | 2.49  | 6.91  | 0.20 | 42.7  | 201.2 | 2.93 | 0.112 | 5.99 |
| Soil | C | 12/22/2014 | F | C | 4 | 12 | S | 1.88  | 7.11  | 0.45 | 205.2 | 571.7 | 7.50 | 0.110 | 5.92 |
| Soil | C | 12/22/2014 | F | C | 4 | 24 | S | 1.51  | 6.56  | 0.20 | 22.3  | 189.4 | 3.24 | 0.088 | 5.98 |
| Soil | C | 12/22/2014 | F | C | 4 | 36 | S | 1.34  | 8.96  | 0.11 | 24.1  | 132.0 | 1.74 | 0.072 | 5.90 |
| Soil | C | 12/22/2014 | F | C | 6 | 12 | S | 2.42  | 9.83  | 0.42 | 171.6 | 596.9 | 7.26 | 0.082 | 5.90 |
| Soil | C | 12/22/2014 | F | C | 6 | 24 | S | 1.25  | 12.08 | 0.19 | 24.0  | 199.7 | 3.15 | 0.094 | 5.97 |
| Soil | C | 12/22/2014 | F | C | 6 | 36 | S | 1.63  | 11.79 | 0.14 | 15.5  | 104.7 | 1.81 | 0.087 | 6.01 |
| Soil | C | 12/22/2014 | F | T | 2 | 12 | A | 1.93  | 0.48  | 0.12 | 5.8   | 67.0  | 1.97 | 0.083 | 5.96 |
| Soil | C | 12/22/2014 | F | T | 2 | 24 | A | 1.32  | 2.49  | 0.24 | 6.2   | 80.8  | 4.28 | 0.103 | 5.98 |
| Soil | C | 12/22/2014 | F | T | 2 | 36 | A | 2.54  | 0.75  | 0.48 | 203.3 | 741.9 | 8.57 | 0.118 | 6.16 |
| Soil | C | 12/22/2014 | F | T | 3 | 12 | A | 1.65  | 4.24  | 0.48 | 163.4 | 564.7 | 8.21 | 0.102 | 5.81 |
| Soil | C | 12/22/2014 | F | T | 3 | 24 | A | 2.10  | 5.47  | 0.16 | 4.7   | 57.8  | 2.59 | 0.106 | 5.96 |
| Soil | C | 12/22/2014 | F | T | 3 | 36 | A | 2.68  | 7.27  | 0.12 | 2.8   | 72.5  | 1.62 | 0.117 | 5.85 |
| Soil | C | 12/22/2014 | F | T | 4 | 12 | A | 2.20  | 9.62  | 0.51 | 162.2 | 561.8 | 8.38 | 0.085 | 6.10 |
| Soil | C | 12/22/2014 | F | T | 4 | 24 | A | 1.58  | 8.34  | 0.21 | 8.6   | 94.6  | 3.53 | 0.077 | 6.05 |
| Soil | C | 12/22/2014 | F | T | 4 | 36 | A | 1.90  | 10.89 | 0.16 | 5.3   | 67.0  | 2.47 | 0.101 | 6.10 |
| Soil | C | 1/20/2015  | W | C | 2 | 12 | S | 36.83 | 8.95  | 0.45 | 255.6 | 516.9 | 7.59 | 0.105 | 6.14 |
| Soil | C | 1/20/2015  | W | C | 2 | 24 | S | 5.49  | 15.50 | 0.15 | 50.9  | 128.4 | 3.63 | 0.067 | 6.18 |
| Soil | C | 1/20/2015  | W | C | 2 | 36 | S | 2.47  | 16.70 | 0.11 | 49.1  | 120.1 | 1.91 | 0.054 | 6.19 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |       |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|-------|-------|------|
| Soil | C | 1/20/2015 | W | C | 4 | 12 | S | 6.41  | 24.33 | 0.39 | 265.4 | 195.8 | 6.40  | 0.100 | 6.22 |
| Soil | C | 1/20/2015 | W | C | 4 | 24 | S | 2.00  | 4.05  | 0.13 | 115.0 | 127.3 | 1.76  | 0.049 | 6.37 |
| Soil | C | 1/20/2015 | W | C | 4 | 36 | S | 1.60  | 8.24  | 0.10 | 113.7 | 136.1 | 1.66  | 0.062 | 6.39 |
| Soil | C | 1/20/2015 | W | C | 6 | 12 | S | 8.20  | 14.72 | 0.48 | 360.5 | 532.2 | 7.76  | 0.106 | 6.13 |
| Soil | C | 1/20/2015 | W | C | 6 | 24 | S | 3.24  | 9.11  | 0.19 | 78.7  | 145.0 | 2.72  | 0.063 | 6.25 |
| Soil | C | 1/20/2015 | W | C | 6 | 36 | S | 12.12 | 9.81  | 0.11 | 57.9  | 120.4 | 1.49  | 0.068 | 6.34 |
| Soil | C | 1/20/2015 | W | T | 2 | 12 | A | 5.00  | 24.67 | 0.37 | 139.4 | 391.9 | 6.68  | 0.101 | 5.92 |
| Soil | C | 1/20/2015 | W | T | 2 | 24 | A | 1.98  | 22.89 | 0.13 | 47.2  | 115.9 | 2.03  | 0.053 | 6.23 |
| Soil | C | 1/20/2015 | W | T | 2 | 36 | A | 3.46  | 16.50 | 0.13 | 43.0  | 113.4 | 2.25  | 0.047 | 6.20 |
| Soil | C | 1/20/2015 | W | T | 3 | 12 | A | 12.62 | 11.52 | 0.59 | 367.1 | 733.7 | 10.04 | 0.137 | 6.00 |
| Soil | C | 1/20/2015 | W | T | 3 | 24 | A | 6.55  | 15.70 | 0.19 | 65.7  | 170.3 | 3.70  | 0.068 | 5.87 |
| Soil | C | 1/20/2015 | W | T | 3 | 36 | A | 8.30  | 12.31 | 0.12 | 40.2  | 97.9  | 1.95  | 0.089 | 5.75 |
| Soil | C | 1/20/2015 | W | T | 4 | 12 | A | 39.86 | 11.30 | 0.48 | 337.9 | 637.7 | 8.05  | 0.118 | 5.98 |
| Soil | C | 1/20/2015 | W | T | 4 | 24 | A | 3.81  | 9.94  | 0.16 | 56.4  | 161.3 | 2.61  | 0.041 | 6.08 |
| Soil | C | 1/20/2015 | W | T | 4 | 36 | A | 10.52 | 3.18  | 0.15 | 53.6  | 181.7 | 3.84  | 0.058 | 6.12 |
| Soil | C | 2/24/2015 | W | C | 2 | 12 | S | 14.62 | 10.06 | 0.06 | 247.2 | 618.4 | 0.38  | 0.204 | 6.17 |
| Soil | C | 2/24/2015 | W | C | 2 | 24 | S | 3.69  | 1.29  | 0.58 | 42.6  | 121.6 | 1.73  | 0.087 | 6.24 |
| Soil | C | 2/24/2015 | W | C | 2 | 36 | S | 3.46  | 2.98  | 0.22 | 33.9  | 126.2 | 1.94  | 0.078 | 6.22 |
| Soil | C | 2/24/2015 | W | C | 4 | 12 | S | 5.18  | 3.77  | 0.42 | 103.6 | 320.5 | 7.30  | 0.138 | 6.26 |
| Soil | C | 2/24/2015 | W | C | 4 | 24 | S | 3.97  | 2.76  | 0.22 | 159.3 | 221.8 | 4.17  | 0.095 | 6.35 |
| Soil | C | 2/24/2015 | W | C | 4 | 36 | S | 6.12  | 3.09  | 0.14 | 139.6 | 193.2 | 3.04  | 0.109 | 6.36 |
| Soil | C | 2/24/2015 | W | C | 6 | 12 | S | 13.46 | 10.18 | 0.44 | 367.0 | 619.9 | 7.66  | 0.222 | 6.33 |
| Soil | C | 2/24/2015 | W | C | 6 | 24 | S | 5.75  | 3.49  | 0.20 | 211.4 | 354.7 | 3.93  | 0.147 | 6.53 |
| Soil | C | 2/24/2015 | W | C | 6 | 36 | S | 7.29  | 4.92  | 0.71 | 96.5  | 163.8 | 2.67  | 0.098 | 6.64 |
| Soil | C | 2/24/2015 | W | T | 2 | 12 | A | 4.98  | 18.48 | 0.08 | 254.5 | 237.1 | 1.29  | 0.304 | 6.19 |
| Soil | C | 2/24/2015 | W | T | 2 | 24 | A | 3.58  | 16.99 | 0.47 | 46.3  | 52.5  | 8.89  | 0.194 | 6.32 |
| Soil | C | 2/24/2015 | W | T | 2 | 36 | A | 2.82  | 1.75  | 0.06 | 11.6  | 285.1 | 0.99  | 0.079 | 6.47 |
| Soil | C | 2/24/2015 | W | T | 3 | 12 | A | 7.28  | 16.46 | 0.44 | 145.6 | 125.6 | 7.55  | 0.298 | 6.02 |
| Soil | C | 2/24/2015 | W | T | 3 | 24 | A | 5.93  | 5.31  | 0.19 | 34.5  | 64.8  | 4.26  | 0.131 | 6.19 |
| Soil | C | 2/24/2015 | W | T | 3 | 36 | A | 5.74  | 4.21  | 0.06 | 56.3  | 149.4 | 0.94  | 0.158 | 6.22 |

|               |             |             |               |             |            |              |            |            |            |           |           |           |           |           |           |
|---------------|-------------|-------------|---------------|-------------|------------|--------------|------------|------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Soil          | C           | 2/24/2015   | W             | T           | 4          | 12           | A          | 4.78       | 7.81       | 0.48      | 171.1     | 358.0     | 8.67      | 0.180     | 6.28      |
| Soil          | C           | 2/24/2015   | W             | T           | 4          | 24           | A          | 2.50       | 3.53       | 0.17      | 65.5      | 158.6     | 3.56      | 0.100     | 6.50      |
| Soil          | C           | 2/24/2015   | W             | T           | 4          | 36           | A          | 1.64       | 1.05       | 0.06      | 50.3      | 112.9     | 0.91      | 0.063     | 6.65      |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Plot</b> | <b>Loc</b> | <b>Depth</b> | <b>Trt</b> | <b>NH3</b> | <b>NO3</b> | <b>TN</b> | <b>P1</b> | <b>P2</b> | <b>OM</b> | <b>EC</b> | <b>pH</b> |
| Soil          | D           | 10/29/2013  | F             | C           | 1          | 12           | S          | 0.25       | 3.38       | 0.41      | 116.0     | 276.0     | 6.86      | 0.128     | 6.80      |
| Soil          | D           | 10/29/2013  | F             | C           | 1          | 24           | S          | 0.28       | 6.35       | 0.15      | 57.8      | 122.0     | 1.97      | 0.183     | 6.60      |
| Soil          | D           | 10/29/2013  | F             | C           | 1          | 36           | S          | 2.18       | 19.24      | 0.14      | 76.8      | 118.0     | 2.79      | 0.291     | 6.20      |
| Soil          | D           | 10/29/2013  | F             | C           | 2          | 12           | S          | 0.97       | 19.61      | 0.34      | 134.0     | 231.0     | 5.44      | 0.303     | 6.10      |
| Soil          | D           | 10/29/2013  | F             | C           | 2          | 24           | S          | 0.88       | 20.77      | 0.23      | 35.3      | 141.0     | 3.65      | 0.292     | 5.80      |
| Soil          | D           | 10/29/2013  | F             | C           | 2          | 36           | S          | 0.85       | 27.59      | 0.09      | 87.3      | 163.0     | 1.53      | 0.387     | 5.90      |
| Soil          | D           | 10/29/2013  | F             | C           | 3          | 12           | S          | 0.25       | 7.79       | 0.30      | 12.0      | 245.0     | 4.71      | 0.199     | 6.30      |
| Soil          | D           | 10/29/2013  | F             | C           | 3          | 24           | S          | 1.24       | 16.13      | 0.21      | 37.0      | 109.0     | 2.91      | 0.307     | 6.20      |
| Soil          | D           | 10/29/2013  | F             | C           | 3          | 36           | S          | 0.25       | 7.16       | 0.08      | 12.3      | 27.9      | 0.85      | 0.116     | 6.40      |
| Soil          | D           | 10/29/2013  | F             | C           | 4          | 12           | S          | 1.37       | 5.56       | 0.32      | 105.0     | 216.0     | 4.95      | 0.205     | 6.40      |
| Soil          | D           | 10/29/2013  | F             | C           | 4          | 24           | S          | 0.46       | 7.16       | 0.21      | 27.6      | 109.0     | 3.14      | 0.219     | 6.30      |
| Soil          | D           | 10/29/2013  | F             | C           | 4          | 36           | S          | 0.54       | 7.79       | 0.25      | 71.7      | 157.0     | 3.66      | 0.194     | 6.40      |
| Soil          | D           | 10/29/2013  | F             | C           | 5          | 12           | S          | 0.84       | 14.83      | 0.36      | 132.0     | 202.0     | 5.81      | 0.361     | 6.80      |
| Soil          | D           | 10/29/2013  | F             | C           | 5          | 24           | S          | 0.25       | 11.26      | 0.25      | 28.1      | 118.0     | 3.67      | 0.264     | 6.50      |
| Soil          | D           | 10/29/2013  | F             | C           | 5          | 36           | S          | 0.51       | 18.75      | 0.21      | 30.7      | 109.0     | 3.27      | 0.348     | 6.70      |
| Soil          | D           | 10/29/2013  | F             | C           | 6          | 12           | S          | 0.91       | 14.31      | 0.37      | 116.0     | 215.0     | 6.02      | 0.337     | 6.50      |
| Soil          | D           | 10/29/2013  | F             | C           | 6          | 24           | S          | 1.40       | 33.24      | 0.19      | 13.1      | 98.8      | 2.80      | 0.659     | 6.00      |
| Soil          | D           | 10/29/2013  | F             | C           | 6          | 36           | S          | 0.25       | 22.70      | 0.13      | 14.5      | 74.9      | 2.10      | 0.320     | 6.00      |
| Soil          | D           | 10/29/2013  | F             | T           | 1          | 12           | A          | 1.22       | 21.81      | 0.38      | 239.0     | 428.0     | 6.02      | 0.305     | 5.72      |
| Soil          | D           | 10/29/2013  | F             | T           | 1          | 24           | A          | 1.10       | 20.23      | 0.23      | 43.0      | 184.0     | 3.76      | 0.277     | 5.80      |
| Soil          | D           | 10/29/2013  | F             | T           | 1          | 36           | A          | 0.81       | 19.69      | 0.10      | 74.8      | 120.0     | 1.91      | 0.002     | 5.74      |
| Soil          | D           | 10/29/2013  | F             | T           | 2          | 12           | A          | 0.68       | 19.67      | 0.38      | 84.9      | 281.0     | 7.00      | 0.127     | 5.95      |
| Soil          | D           | 10/29/2013  | F             | T           | 2          | 24           | A          | 13.60      | 35.49      | 0.18      | 11.6      | 31.6      | 2.96      | 0.166     | 6.16      |
| Soil          | D           | 10/29/2013  | F             | T           | 2          | 36           | A          | 0.34       | 3.58       | 0.06      | 71.1      | 74.5      | 0.53      | 0.044     | 6.16      |
| Soil          | D           | 10/29/2013  | F             | T           | 3          | 12           | A          | 0.67       | 4.69       | 0.36      | 228.0     | 360.0     | 6.20      | 0.167     | 5.85      |
| Soil          | D           | 10/29/2013  | F             | T           | 3          | 24           | A          | 0.78       | 5.15       | 0.13      | 60.0      | 115.0     | 2.06      | 0.115     | 6.06      |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 10/29/2013 | F | T | 3 | 36 | A | 0.91  | 6.13  | 0.11 | 77.5  | 170.0 | 1.66 | 0.062 | 5.94 |
| Soil | D | 10/29/2013 | F | T | 4 | 12 | A | 0.25  | 27.56 | 0.35 | 219.0 | 392.0 | 5.88 | 0.118 | 5.67 |
| Soil | D | 10/29/2013 | F | T | 4 | 24 | A | 0.25  | 37.43 | 0.16 | 16.2  | 31.8  | 6.52 | 0.425 | 5.78 |
| Soil | D | 10/29/2013 | F | T | 4 | 36 | A | 0.25  | 35.49 | 0.12 | 8.2   | 47.2  | 2.04 | 0.032 | 5.82 |
| Soil | D | 10/29/2013 | F | T | 5 | 12 | A | 0.25  | 12.85 | 0.33 | 147.0 | 303.0 | 5.53 | 0.286 | 6.10 |
| Soil | D | 10/29/2013 | F | T | 5 | 24 | A | 0.25  | 25.79 | 0.25 | 66.0  | 195.0 | 4.22 | 0.270 | 6.00 |
| Soil | D | 10/29/2013 | F | T | 5 | 36 | A | 0.78  | 26.72 | 0.16 | 20.4  | 123.0 | 2.74 | 0.451 | 6.08 |
| Soil | D | 10/29/2013 | F | T | 6 | 12 | A | 0.68  | 9.54  | 0.48 | 228.0 | 383.0 | 8.50 | 0.111 | 5.93 |
| Soil | D | 10/29/2013 | F | T | 6 | 24 | A | 0.25  | 9.85  | 0.12 | 92.1  | 128.0 | 2.00 | 0.212 | 6.03 |
| Soil | D | 10/29/2013 | F | T | 6 | 36 | A | 0.85  | 16.54 | 0.07 | 42.4  | 81.5  | 0.96 | 0.165 | 5.94 |
| Soil | D | 11/26/2013 | F | C | 1 | 12 | S | 14.10 | 19.84 | 0.33 | 175.0 | 279.0 | 5.11 | 0.186 | 6.26 |
| Soil | D | 11/26/2013 | F | C | 1 | 24 | S | 19.20 | 14.67 | 0.14 | 57.2  | 110.0 | 2.04 | 0.037 | 6.37 |
| Soil | D | 11/26/2013 | F | C | 1 | 36 | S | 18.30 | 9.94  | 0.09 | 29.1  | 52.7  | 0.82 | 0.022 | 6.53 |
| Soil | D | 11/26/2013 | F | C | 4 | 12 | S | 13.90 | 29.56 | 0.37 | 143.0 | 253.0 | 5.29 | 0.126 | 6.16 |
| Soil | D | 11/26/2013 | F | C | 4 | 24 | S | 6.26  | 17.57 | 0.19 | 35.3  | 106.0 | 2.43 | 0.206 | 6.20 |
| Soil | D | 11/26/2013 | F | C | 4 | 36 | S | 19.00 | 18.18 | 0.15 | 21.8  | 51.1  | 2.12 | 0.175 | 5.88 |
| Soil | D | 11/26/2013 | F | C | 6 | 12 | S | 27.80 | 26.82 | 0.41 | 141.0 | 237.0 | 6.17 | 0.113 | 6.17 |
| Soil | D | 11/26/2013 | F | C | 6 | 24 | S | 15.80 | 35.04 | 0.19 | 35.6  | 112.0 | 2.24 | 0.240 | 6.07 |
| Soil | D | 11/26/2013 | F | C | 6 | 36 | S | 16.50 | 31.34 | 0.18 | 27.3  | 56.6  | 2.22 | 0.172 | 6.17 |
| Soil | D | 11/26/2013 | F | T | 1 | 12 | A | 19.50 | 27.88 | 0.41 | 278.0 | 411.0 | 6.17 | 0.166 | 6.11 |
| Soil | D | 11/26/2013 | F | T | 1 | 24 | A | 18.20 | 47.38 | 0.28 | 102.0 | 219.0 | 4.14 | 0.106 | 5.84 |
| Soil | D | 11/26/2013 | F | T | 1 | 36 | A | 27.20 | 34.04 | 0.16 | 89.4  | 153.0 | 2.08 | 0.108 | 5.85 |
| Soil | D | 11/26/2013 | F | T | 4 | 12 | A | 15.30 | 16.49 | 0.41 | 227.0 | 294.0 | 6.11 | 0.134 | 6.13 |
| Soil | D | 11/26/2013 | F | T | 4 | 24 | A | 30.20 | 35.22 | 0.29 | 46.4  | 115.0 | 4.64 | 0.227 | 5.73 |
| Soil | D | 11/26/2013 | F | T | 4 | 36 | A | 18.80 | 30.58 | 0.23 | 8.6   | 20.9  | 3.75 | 0.230 | 5.93 |
| Soil | D | 11/26/2013 | F | T | 6 | 12 | A | 20.80 | 25.67 | 0.40 | 214.0 | 313.0 | 5.90 | 0.222 | 5.98 |
| Soil | D | 11/26/2013 | F | T | 6 | 24 | A | 28.10 | 19.93 | 0.17 | 84.5  | 126.0 | 2.13 | 0.126 | 6.21 |
| Soil | D | 11/26/2013 | F | T | 6 | 36 | A | 27.10 | 11.40 | 0.11 | 38.0  | 77.3  | 0.97 | 0.113 | 6.30 |
| Soil | D | 12/18/2013 | F | C | 1 | 12 | S | 1.58  | 16.98 | 0.36 | 67.4  | 150.0 | 5.86 | 0.266 | 6.41 |
| Soil | D | 12/18/2013 | F | C | 1 | 24 | S | 2.31  | 21.44 | 0.12 | 17.4  | 26.2  | 2.14 | 0.178 | 5.62 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | D | 12/18/2013 | F | C | 1 | 36 | S | 1.68 | 28.99 | 0.14 | 21.5  | 26.7  | 1.86 | 0.228 | 5.44 |
| Soil | D | 12/18/2013 | F | C | 4 | 12 | S | 1.88 | 14.67 | 0.25 | 23.2  | 86.9  | 3.40 | 0.201 | 6.11 |
| Soil | D | 12/18/2013 | F | C | 4 | 24 | S | 1.03 | 12.20 | 0.39 | 33.4  | 114.0 | 6.17 | 0.186 | 6.22 |
| Soil | D | 12/18/2013 | F | C | 4 | 36 | S | 1.49 | 16.73 | 0.12 | 16.8  | 23.3  | 1.95 | 0.166 | 5.99 |
| Soil | D | 12/18/2013 | F | C | 6 | 12 | S | 1.85 | 24.21 | 0.33 | 53.6  | 117.0 | 5.17 | 0.227 | 6.10 |
| Soil | D | 12/18/2013 | F | C | 6 | 24 | S | 2.39 | 41.35 | 0.21 | 16.3  | 41.1  | 2.91 | 0.363 | 6.03 |
| Soil | D | 12/18/2013 | F | C | 6 | 36 | S | 1.75 | 22.51 | 0.14 | 13.9  | 20.0  | 1.48 | 0.170 | 5.74 |
| Soil | D | 12/18/2013 | F | T | 1 | 12 | A | 2.14 | 14.89 | 0.38 | 107.0 | 160.0 | 6.34 | 0.160 | 5.81 |
| Soil | D | 12/18/2013 | F | T | 1 | 24 | A | 1.40 | 14.25 | 0.19 | 40.3  | 61.1  | 3.05 | 0.108 | 5.85 |
| Soil | D | 12/18/2013 | F | T | 1 | 36 | A | 2.04 | 15.94 | 0.15 | 25.9  | 38.6  | 2.10 | 0.095 | 5.82 |
| Soil | D | 12/18/2013 | F | T | 4 | 12 | A | 2.34 | 14.18 | 0.41 | 80.8  | 154.0 | 7.02 | 0.140 | 5.93 |
| Soil | D | 12/18/2013 | F | T | 4 | 24 | A | 1.63 | 16.25 | 0.23 | 30.3  | 67.6  | 4.28 | 0.156 | 5.86 |
| Soil | D | 12/18/2013 | F | T | 4 | 36 | A | 2.18 | 47.38 | 0.15 | 29.2  | 33.9  | 2.71 | 0.163 | 5.84 |
| Soil | D | 12/18/2013 | F | T | 6 | 12 | A | 2.42 | 15.63 | 0.40 | 82.0  | 131.0 | 6.79 | 0.155 | 5.92 |
| Soil | D | 12/18/2013 | F | T | 6 | 24 | A | 2.83 | 23.18 | 0.24 | 21.5  | 66.5  | 4.29 | 0.239 | 5.56 |
| Soil | D | 12/18/2013 | F | T | 6 | 36 | A | 2.52 | 19.93 | 0.13 | 21.6  | 41.0  | 1.79 | 0.170 | 5.75 |
| Soil | D | 1/15/2014  | W | C | 1 | 12 | S | 6.74 | 9.12  | 0.36 | 173.0 | 327.0 | 5.88 | 0.090 | 6.13 |
| Soil | D | 1/15/2014  | W | C | 1 | 24 | S | 3.50 | 13.10 | 0.18 | 23.7  | 128.0 | 2.29 | 0.110 | 6.16 |
| Soil | D | 1/15/2014  | W | C | 1 | 36 | S | 2.73 | 17.70 | 0.15 | 17.7  | 98.1  | 2.04 | 0.100 | 6.11 |
| Soil | D | 1/15/2014  | W | C | 4 | 12 | S | 5.49 | 3.53  | 0.30 | 179.0 | 287.0 | 5.11 | 0.070 | 6.53 |
| Soil | D | 1/15/2014  | W | C | 4 | 24 | S | 2.87 | 8.02  | 0.12 | 27.4  | 133.0 | 1.45 | 0.130 | 6.19 |
| Soil | D | 1/15/2014  | W | C | 4 | 36 | S | 3.78 | 13.30 | 0.14 | 22.4  | 78.4  | 2.14 | 0.110 | 6.26 |
| Soil | D | 1/15/2014  | W | C | 6 | 12 | S | 5.24 | 9.19  | 0.31 | 120.0 | 231.0 | 5.20 | 0.090 | 6.38 |
| Soil | D | 1/15/2014  | W | C | 6 | 24 | S | 3.96 | 23.70 | 0.22 | 45.1  | 153.0 | 3.31 | 0.160 | 6.14 |
| Soil | D | 1/15/2014  | W | C | 6 | 36 | S | 3.49 | 25.90 | 0.17 | 32.8  | 82.5  | 2.39 | 0.180 | 6.16 |
| Soil | D | 1/15/2014  | W | T | 1 | 12 | A | 6.66 | 9.78  | 0.45 | 337.0 | 446.0 | 6.87 | 0.100 | 6.26 |
| Soil | D | 1/15/2014  | W | T | 1 | 24 | A | 1.78 | 12.10 | 0.21 | 110.0 | 256.0 | 3.82 | 0.110 | 6.31 |
| Soil | D | 1/15/2014  | W | T | 1 | 36 | A | 5.95 | 22.40 | 0.12 | 146.0 | 153.0 | 1.54 | 0.070 | 6.42 |
| Soil | D | 1/15/2014  | W | T | 4 | 12 | A | 6.71 | 8.24  | 0.43 | 293.0 | 452.0 | 7.29 | 0.100 | 6.04 |
| Soil | D | 1/15/2014  | W | T | 4 | 24 | A | 5.05 | 14.40 | 0.25 | 48.4  | 107.0 | 4.95 | 0.090 | 6.14 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 1/15/2014 | W | T | 4 | 36 | A | 4.09  | 14.20 | 0.18 | 29.4  | 105.0 | 3.44 | 0.140 | 6.03 |
| Soil | D | 1/15/2014 | W | T | 6 | 12 | A | 7.65  | 5.72  | 0.37 | 250.0 | 362.0 | 6.03 | 0.120 | 6.23 |
| Soil | D | 1/15/2014 | W | T | 6 | 24 | A | 3.29  | 4.81  | 0.16 | 61.8  | 218.0 | 2.51 | 0.140 | 6.15 |
| Soil | D | 1/15/2014 | W | T | 6 | 36 | A | 9.45  | 10.00 | 0.09 | 43.4  | 96.4  | 1.27 | 0.120 | 6.26 |
| Soil | D | 1/31/2014 | W | C | 1 | 12 | S | 8.65  | 1.34  | 0.02 | 202.0 | 227.0 | 0.11 | 0.130 | 6.35 |
| Soil | D | 1/31/2014 | W | C | 1 | 24 | S | 7.23  | 2.46  | 0.21 | 55.6  | 88.0  | 2.92 | 0.130 | 6.15 |
| Soil | D | 1/31/2014 | W | C | 1 | 36 | S | 2.69  | 0.90  | 0.11 | 47.4  | 45.0  | 1.52 | 0.080 | 6.43 |
| Soil | D | 1/31/2014 | W | C | 4 | 12 | S | 6.43  | 1.57  | 0.40 | 186.0 | 212.0 | 6.32 | 0.060 | 6.48 |
| Soil | D | 1/31/2014 | W | C | 4 | 24 | S | 4.54  | 5.09  | 0.28 | 89.7  | 158.0 | 3.90 | 0.080 | 6.07 |
| Soil | D | 1/31/2014 | W | C | 4 | 36 | S | 5.31  | 8.96  | 0.16 | 45.2  | 93.3  | 2.03 | 0.090 | 6.17 |
| Soil | D | 1/31/2014 | W | C | 6 | 12 | S | 8.48  | 8.25  | 0.38 | 150.0 | 200.0 | 6.24 | 0.130 | 6.47 |
| Soil | D | 1/31/2014 | W | C | 6 | 24 | S | 4.79  | 5.95  | 0.24 | 69.9  | 119.0 | 3.43 | 0.190 | 6.40 |
| Soil | D | 1/31/2014 | W | C | 6 | 36 | S | 4.72  | 12.90 | 0.15 | 22.1  | 28.1  | 1.77 | 0.090 | 6.24 |
| Soil | D | 1/31/2014 | W | T | 1 | 12 | A | 5.73  | 5.60  | 0.35 | 291.0 | 249.0 | 6.58 | 0.030 | 6.59 |
| Soil | D | 1/31/2014 | W | T | 1 | 24 | A | 6.53  | 4.79  | 0.32 | 150.0 | 198.0 | 5.01 | 0.060 | 6.28 |
| Soil | D | 1/31/2014 | W | T | 1 | 36 | A | 10.40 | 8.31  | 0.19 | 106.0 | 120.0 | 2.40 | 0.090 | 6.38 |
| Soil | D | 1/31/2014 | W | T | 4 | 12 | A | 8.04  | 6.45  | 0.44 | 227.0 | 209.0 | 8.02 | 0.070 | 6.23 |
| Soil | D | 1/31/2014 | W | T | 4 | 24 | A | 7.82  | 9.33  | 0.29 | 67.6  | 120.0 | 4.61 | 0.130 | 5.96 |
| Soil | D | 1/31/2014 | W | T | 4 | 36 | A | 7.42  | 8.02  | 0.24 | 25.9  | 92.5  | 4.47 | 0.140 | 5.90 |
| Soil | D | 1/31/2014 | W | T | 6 | 12 | A | 8.70  | 10.90 | 0.42 | 218.0 | 220.0 | 6.33 | 0.120 | 6.00 |
| Soil | D | 1/31/2014 | W | T | 6 | 24 | A | 7.95  | 9.01  | 0.26 | 95.9  | 120.0 | 3.72 | 0.050 | 6.24 |
| Soil | D | 1/31/2014 | W | T | 6 | 36 | A | 6.66  | 7.86  | 0.12 | 25.8  | 38.2  | 1.30 | 0.050 | 6.35 |
| Soil | D | 3/7/2014  | W | C | 1 | 12 | S | 5.98  | 2.54  | 0.33 | 170.3 | 283.5 | 5.32 | 0.064 | 6.92 |
| Soil | D | 3/7/2014  | W | C | 1 | 24 | S | 6.37  | 5.64  | 0.26 | 43.9  | 141.9 | 3.62 | 0.094 | 6.78 |
| Soil | D | 3/7/2014  | W | C | 1 | 36 | S | 5.47  | 3.65  | 0.21 | 65.2  | 155.0 | 3.14 | 0.062 | 6.72 |
| Soil | D | 3/7/2014  | W | C | 4 | 12 | S | 4.38  | 2.49  | 0.35 | 125.9 | 262.0 | 5.23 | 0.310 | 5.63 |
| Soil | D | 3/7/2014  | W | C | 4 | 24 | S | 3.56  | 3.76  | 0.20 | 28.3  | 176.4 | 2.28 | 0.071 | 6.36 |
| Soil | D | 3/7/2014  | W | C | 4 | 36 | S | 4.12  | 6.12  | 0.18 | 14.6  | 117.2 | 1.93 | 0.099 | 6.46 |
| Soil | D | 3/7/2014  | W | C | 6 | 12 | S | 4.20  | 9.26  | 0.36 | 93.0  | 212.7 | 5.48 | 0.200 | 6.46 |
| Soil | D | 3/7/2014  | W | C | 6 | 24 | S | 2.08  | 5.45  | 0.22 | 27.7  | 91.6  | 2.94 | 0.114 | 6.73 |

|      |   |           |    |   |   |    |   |      |      |      |       |       |      |       |      |
|------|---|-----------|----|---|---|----|---|------|------|------|-------|-------|------|-------|------|
| Soil | D | 3/7/2014  | W  | C | 6 | 36 | S | 3.00 | 6.34 | 0.24 | 6.4   | 50.4  | 2.88 | 0.186 | 6.69 |
| Soil | D | 3/7/2014  | W  | T | 1 | 12 | A | 2.79 | 2.66 | 0.27 | 126.3 | 209.6 | 4.04 | 0.065 | 6.41 |
| Soil | D | 3/7/2014  | W  | T | 1 | 24 | A | 3.57 | 1.69 | 0.38 | 267.6 | 390.2 | 5.67 | 0.064 | 6.43 |
| Soil | D | 3/7/2014  | W  | T | 1 | 36 | A | 2.93 | 3.59 | 0.19 | 127.4 | 209.2 | 2.56 | 0.054 | 6.29 |
| Soil | D | 3/7/2014  | W  | T | 4 | 12 | A | 2.36 | 2.13 | 0.36 | 203.9 | 363.0 | 5.68 | 0.065 | 6.48 |
| Soil | D | 3/7/2014  | W  | T | 4 | 24 | A | 3.81 | 5.45 | 0.30 | 61.6  | 198.8 | 5.06 | 0.071 | 6.40 |
| Soil | D | 3/7/2014  | W  | T | 4 | 36 | A | 3.42 | 4.48 | 0.30 | 39.0  | 154.1 | 4.82 | 0.108 | 6.30 |
| Soil | D | 3/7/2014  | W  | T | 6 | 12 | A | 3.56 | 1.08 | 0.38 | 249.1 | 389.5 | 6.08 | 0.076 | 6.45 |
| Soil | D | 3/7/2014  | W  | T | 6 | 24 | A | 4.37 | 3.93 | 0.24 | 68.6  | 235.3 | 3.41 | 0.083 | 6.37 |
| Soil | D | 3/7/2014  | W  | T | 6 | 36 | A | 1.92 | 2.77 | 0.12 | 23.4  | 54.6  | 1.18 | 0.039 | 6.47 |
| Soil | D | 3/31/2014 | W  | C | 1 | 12 | S | 2.69 | 1.92 | 0.38 | 75.5  | 296.1 | 6.34 | 0.119 | 6.72 |
| Soil | D | 3/31/2014 | W  | C | 1 | 24 | S | 2.32 | 3.67 | 0.17 | 38.9  | 180.3 | 2.25 | 0.157 | 6.43 |
| Soil | D | 3/31/2014 | W  | C | 1 | 36 | S | 1.55 | 6.22 | 0.12 | 32.1  | 97.0  | 1.49 | 0.142 | 6.45 |
| Soil | D | 3/31/2014 | W  | C | 4 | 12 | S | 2.55 | 2.01 | 0.32 | 94.1  | 231.1 | 4.84 | 0.189 | 6.65 |
| Soil | D | 3/31/2014 | W  | C | 4 | 24 | S | 1.41 | 3.23 | 0.17 | 37.6  | 120.9 | 2.25 | 0.221 | 6.61 |
| Soil | D | 3/31/2014 | W  | C | 4 | 36 | S | 1.69 | 6.21 | 0.14 | 26.0  | 85.9  | 1.92 | 0.214 | 6.58 |
| Soil | D | 3/31/2014 | W  | C | 6 | 12 | S | 0.87 | 2.48 | 0.33 | 139.9 | 182.2 | 5.41 | 0.197 | 6.60 |
| Soil | D | 3/31/2014 | W  | C | 6 | 24 | S | 1.17 | 7.75 | 0.24 | 35.6  | 83.2  | 4.00 | 0.339 | 6.23 |
| Soil | D | 3/31/2014 | W  | C | 6 | 36 | S | 0.53 | 9.03 | 0.14 | 30.4  | 66.8  | 1.78 | 0.252 | 6.26 |
| Soil | D | 3/31/2014 | W  | T | 1 | 12 | A | 0.77 | 1.42 | 0.35 | 116.4 | 382.0 | 5.68 | 0.082 | 6.32 |
| Soil | D | 3/31/2014 | W  | T | 1 | 24 | A | 1.92 | 2.37 | 0.24 | 64.3  | 279.2 | 3.84 | 0.031 | 6.30 |
| Soil | D | 3/31/2014 | W  | T | 1 | 36 | A | 0.98 | 2.85 | 0.15 | 139.8 | 229.4 | 2.18 | 0.140 | 6.31 |
| Soil | D | 3/31/2014 | W  | T | 4 | 12 | A | 1.12 | 1.72 | 0.37 | 222.8 | 399.6 | 6.13 | 0.119 | 6.31 |
| Soil | D | 3/31/2014 | W  | T | 4 | 24 | A | 2.15 | 4.47 | 0.26 | 28.2  | 76.7  | 4.63 | 0.145 | 6.08 |
| Soil | D | 3/31/2014 | W  | T | 4 | 36 | A | 1.07 | 4.43 | 0.20 | 66.4  | 50.2  | 3.77 | 0.135 | 6.21 |
| Soil | D | 3/31/2014 | W  | T | 6 | 12 | A | 1.14 | 1.60 | 0.39 | 127.8 | 343.0 | 6.60 | 0.148 | 6.22 |
| Soil | D | 3/31/2014 | W  | T | 6 | 24 | A | 1.13 | 2.55 | 0.17 | 88.5  | 177.2 | 2.34 | 0.150 | 6.37 |
| Soil | D | 3/31/2014 | W  | T | 6 | 36 | A | 0.86 | 3.89 | 0.07 | 31.9  | 41.1  | 0.77 | 0.145 | 6.38 |
| Soil | D | 4/22/2014 | SP | C | 1 | 12 | S | 2.88 | 3.47 | 0.38 | 134.7 | 87.8  | 6.64 | 0.143 | 6.97 |
| Soil | D | 4/22/2014 | SP | C | 1 | 24 | S | 2.89 | 7.93 | 0.16 | 81.5  | 47.7  | 2.91 | 0.118 | 6.76 |

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|------|---|-----------|----|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | D | 4/22/2014 | SP | C | 1 | 36 | S | 3.29 | 8.23  | 0.11 | 72.7  | 42.7  | 1.87 | 0.156 | 6.53 |
| Soil | D | 4/22/2014 | SP | C | 4 | 12 | S | 2.49 | 7.47  | 0.35 | 117.4 | 69.6  | 6.25 | 0.159 | 6.66 |
| Soil | D | 4/22/2014 | SP | C | 4 | 24 | S | 4.85 | 8.11  | 0.15 | 34.6  | 40.0  | 2.68 | 0.280 | 6.36 |
| Soil | D | 4/22/2014 | SP | C | 4 | 36 | S | 2.38 | 10.45 | 0.05 | 17.6  | 13.1  | 1.09 | 0.197 | 5.96 |
| Soil | D | 4/22/2014 | SP | C | 6 | 12 | S | 2.72 | 5.31  | 0.29 | 96.3  | 77.8  | 5.63 | 0.117 | 6.68 |
| Soil | D | 4/22/2014 | SP | C | 6 | 24 | S | 2.74 | 8.45  | 0.21 | 43.1  | 50.5  | 3.62 | 0.223 | 6.21 |
| Soil | D | 4/22/2014 | SP | C | 6 | 36 | S | 2.41 | 13.30 | 0.12 | 17.7  | 19.0  | 1.72 | 0.239 | 6.24 |
| Soil | D | 4/22/2014 | SP | T | 1 | 12 | A | 2.87 | 5.80  | 0.38 | 177.2 | 92.7  | 6.41 | 0.144 | 6.35 |
| Soil | D | 4/22/2014 | SP | T | 1 | 24 | A | 4.43 | 4.37  | 0.28 | 121.5 | 93.9  | 6.69 | 0.096 | 6.32 |
| Soil | D | 4/22/2014 | SP | T | 1 | 36 | A | 2.99 | 5.98  | 0.17 | 99.0  | 59.6  | 4.56 | 0.125 | 6.28 |
| Soil | D | 4/22/2014 | SP | T | 4 | 12 | A | 0.25 | 7.86  | 0.19 | 159.5 | 115.4 | 4.17 | 0.140 | 6.51 |
| Soil | D | 4/22/2014 | SP | T | 4 | 24 | A | 1.30 | 8.06  | 0.48 | 60.3  | 113.3 | 8.25 | 0.131 | 6.74 |
| Soil | D | 4/22/2014 | SP | T | 4 | 36 | A | 0.95 | 4.56  | 0.21 | 47.2  | 56.5  | 3.11 | 0.145 | 6.37 |
| Soil | D | 4/22/2014 | SP | T | 6 | 12 | A | 1.65 | 6.02  | 0.18 | 175.3 | 98.7  | 3.68 | 0.151 | 6.52 |
| Soil | D | 4/22/2014 | SP | T | 6 | 24 | A | 1.13 | 5.29  | 0.43 | 67.5  | 60.6  | 7.70 | 0.127 | 6.49 |
| Soil | D | 4/22/2014 | SP | T | 6 | 36 | A | 1.66 | 5.12  | 0.15 | 46.3  | 23.2  | 2.42 | 0.135 | 6.43 |
| Soil | D | 5/21/2014 | SP | C | 1 | 12 | S | 5.64 | 13.44 | 0.35 | 203.4 | 329.5 | 5.86 | 0.157 | 7.04 |
| Soil | D | 5/21/2014 | SP | C | 1 | 24 | S | 2.90 | 7.04  | 0.18 | 73.7  | 130.0 | 2.48 | 0.143 | 6.97 |
| Soil | D | 5/21/2014 | SP | C | 1 | 36 | S | 3.22 | 9.14  | 0.15 | 77.6  | 118.2 | 1.74 | 0.195 | 6.82 |
| Soil | D | 5/21/2014 | SP | C | 4 | 12 | S | 1.65 | 5.91  | 0.36 | 87.7  | 232.3 | 5.09 | 0.160 | 6.58 |
| Soil | D | 5/21/2014 | SP | C | 4 | 24 | S | 3.80 | 2.92  | 0.18 | 24.5  | 127.8 | 2.00 | 0.148 | 6.63 |
| Soil | D | 5/21/2014 | SP | C | 4 | 36 | S | 1.95 | 2.61  | 0.18 | 48.3  | 92.8  | 2.41 | 0.146 | 6.66 |
| Soil | D | 5/21/2014 | SP | C | 6 | 12 | S | 3.11 | 8.16  | 0.35 | 132.0 | 280.5 | 4.81 | 0.160 | 6.75 |
| Soil | D | 5/21/2014 | SP | C | 6 | 24 | S | 1.54 | 3.73  | 0.23 | 33.2  | 125.1 | 2.90 | 0.129 | 6.49 |
| Soil | D | 5/21/2014 | SP | C | 6 | 36 | S | 1.66 | 9.15  | 0.17 | 33.0  | 46.3  | 1.81 | 0.250 | 6.37 |
| Soil | D | 5/21/2014 | SP | T | 1 | 12 | A | 1.71 | 9.04  | 0.34 | 178.4 | 289.7 | 4.64 | 0.160 | 6.46 |
| Soil | D | 5/21/2014 | SP | T | 1 | 24 | A | 2.97 | 6.90  | 0.26 | 94.5  | 153.8 | 3.50 | 0.144 | 6.36 |
| Soil | D | 5/21/2014 | SP | T | 1 | 36 | A | 4.22 | 9.12  | 0.24 | 80.2  | 96.7  | 3.95 | 0.149 | 6.29 |
| Soil | D | 5/21/2014 | SP | T | 4 | 12 | A | 2.16 | 14.23 | 0.43 | 299.8 | 450.2 | 5.93 | 0.257 | 6.36 |
| Soil | D | 5/21/2014 | SP | T | 4 | 24 | A | 2.04 | 6.20  | 0.35 | 45.2  | 97.3  | 4.14 | 0.143 | 6.32 |

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|------|---|-----------|----|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 5/21/2014 | SP | T | 4 | 36 | A | 3.17  | 5.11  | 0.28 | 21.6  | 88.6  | 3.17 | 0.117 | 6.36 |
| Soil | D | 5/21/2014 | SP | T | 6 | 12 | A | 2.45  | 14.60 | 0.40 | 160.7 | 291.1 | 4.98 | 0.224 | 6.22 |
| Soil | D | 5/21/2014 | SP | T | 6 | 24 | A | 2.18  | 6.10  | 0.21 | 50.8  | 195.2 | 1.67 | 0.169 | 6.56 |
| Soil | D | 5/21/2014 | SP | T | 6 | 36 | A | 2.50  | 7.69  | 0.17 | 45.9  | 65.1  | 0.97 | 0.129 | 6.73 |
| Soil | D | 6/26/2014 | SP | C | 1 | 12 | S | 3.29  | 10.04 | 0.29 | 132.6 | 233.5 | 4.73 | 0.190 | 6.03 |
| Soil | D | 6/26/2014 | SP | C | 1 | 24 | S | 3.05  | 5.67  | 0.16 | 51.6  | 93.0  | 2.22 | 0.134 | 5.95 |
| Soil | D | 6/26/2014 | SP | C | 1 | 36 | S | 3.92  | 6.20  | 0.09 | 34.7  | 51.5  | 1.15 | 0.108 | 6.19 |
| Soil | D | 6/26/2014 | SP | C | 4 | 12 | S | 3.32  | 7.16  | 0.28 | 84.9  | 181.3 | 4.45 | 0.152 | 6.22 |
| Soil | D | 6/26/2014 | SP | C | 4 | 24 | S | 3.63  | 8.07  | 0.17 | 29.7  | 106.7 | 2.20 | 0.182 | 6.22 |
| Soil | D | 6/26/2014 | SP | C | 4 | 36 | S | 3.71  | 5.88  | 0.16 | 20.2  | 40.3  | 2.56 | 0.178 | 5.72 |
| Soil | D | 6/26/2014 | SP | C | 6 | 12 | S | 1.95  | 4.46  | 0.32 | 102.5 | 199.1 | 4.88 | 0.168 | 6.37 |
| Soil | D | 6/26/2014 | SP | C | 6 | 24 | S | 2.94  | 4.32  | 0.21 | 33.7  | 116.5 | 2.87 | 0.176 | 6.09 |
| Soil | D | 6/26/2014 | SP | C | 6 | 36 | S | 2.78  | 7.60  | 0.16 | 22.5  | 55.7  | 2.04 | 0.207 | 6.18 |
| Soil | D | 6/26/2014 | SP | T | 1 | 12 | A | 3.92  | 7.99  | 0.41 | 242.6 | 348.0 | 6.82 | 0.169 | 6.11 |
| Soil | D | 6/26/2014 | SP | T | 1 | 24 | A | 10.37 | 2.31  | 0.23 | 88.3  | 183.8 | 3.50 | 0.114 | 5.93 |
| Soil | D | 6/26/2014 | SP | T | 1 | 36 | A | 3.16  | 4.01  | 0.20 | 106.8 | 171.3 | 3.04 | 0.103 | 6.01 |
| Soil | D | 6/26/2014 | SP | T | 4 | 12 | A | 3.47  | 5.68  | 0.35 | 169.4 | 283.4 | 5.90 | 0.148 | 5.97 |
| Soil | D | 6/26/2014 | SP | T | 4 | 24 | A | 10.38 | 3.71  | 0.22 | 91.0  | 146.9 | 3.63 | 0.121 | 6.00 |
| Soil | D | 6/26/2014 | SP | T | 4 | 36 | A | 4.34  | 3.53  | 0.19 | 65.4  | 184.0 | 3.27 | 0.113 | 6.04 |
| Soil | D | 6/26/2014 | SP | T | 6 | 12 | A | 3.23  | 8.30  | 0.35 | 157.3 | 286.3 | 5.79 | 0.173 | 5.99 |
| Soil | D | 6/26/2014 | SP | T | 6 | 24 | A | 2.15  | 4.95  | 0.12 | 35.0  | 76.8  | 1.54 | 0.110 | 6.18 |
| Soil | D | 6/26/2014 | SP | T | 6 | 36 | A | 3.28  | 4.65  | 0.10 | 32.0  | 53.8  | 1.20 | 0.120 | 5.95 |
| Soil | D | 7/16/2014 | S  | C | 1 | 12 | S | 2.71  | 7.18  | 0.32 | 161.7 | 227.9 | 5.67 | 0.030 | 6.70 |
| Soil | D | 7/16/2014 | S  | C | 1 | 24 | S | 2.37  | 7.73  | 0.20 | 67.0  | 159.3 | 3.93 | 0.047 | 6.42 |
| Soil | D | 7/16/2014 | S  | C | 1 | 36 | S | 2.09  | 6.74  | 0.08 | 27.7  | 70.1  | 1.24 | 0.046 | 6.29 |
| Soil | D | 7/16/2014 | S  | C | 4 | 12 | S | 1.86  | 7.37  | 0.30 | 108.8 | 208.2 | 5.16 | 0.040 | 6.47 |
| Soil | D | 7/16/2014 | S  | C | 4 | 24 | S | 1.79  | 6.58  | 0.18 | 22.6  | 111.2 | 2.96 | 0.085 | 6.06 |
| Soil | D | 7/16/2014 | S  | C | 4 | 36 | S | 1.62  | 5.62  | 0.16 | 30.6  | 95.9  | 3.22 | 0.080 | 6.16 |
| Soil | D | 7/16/2014 | S  | C | 6 | 12 | S | 2.68  | 7.27  | 0.32 | 116.7 | 201.8 | 5.50 | 0.074 | 6.22 |
| Soil | D | 7/16/2014 | S  | C | 6 | 24 | S | 1.83  | 8.82  | 0.18 | 30.6  | 113.0 | 2.75 | 0.094 | 6.05 |

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|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 7/16/2014 | S | C | 6 | 36 | S | 1.47  | 8.77  | 0.13 | 12.9  | 38.7  | 2.00 | 0.100 | 6.03 |
| Soil | D | 7/16/2014 | S | T | 1 | 12 | A | 2.60  | 9.65  | 0.34 | 196.1 | 381.5 | 6.39 | 0.082 | 6.08 |
| Soil | D | 7/16/2014 | S | T | 1 | 24 | A | 2.76  | 6.91  | 0.19 | 78.9  | 223.6 | 3.61 | 0.096 | 5.86 |
| Soil | D | 7/16/2014 | S | T | 1 | 36 | A | 2.30  | 7.12  | 0.14 | 120.4 | 217.7 | 3.21 | 0.073 | 5.80 |
| Soil | D | 7/16/2014 | S | T | 4 | 12 | A | 2.86  | 12.44 | 0.38 | 261.5 | 406.4 | 6.82 | 0.085 | 6.07 |
| Soil | D | 7/16/2014 | S | T | 4 | 24 | A | 2.58  | 9.66  | 0.23 | 89.1  | 204.3 | 5.00 | 0.110 | 5.90 |
| Soil | D | 7/16/2014 | S | T | 4 | 36 | A | 3.90  | 7.86  | 0.21 | 39.9  | 143.8 | 3.99 | 0.110 | 5.89 |
| Soil | D | 7/16/2014 | S | T | 6 | 12 | A | 2.21  | 15.16 | 0.37 | 206.6 | 286.4 | 6.63 | 0.189 | 5.99 |
| Soil | D | 7/16/2014 | S | T | 6 | 24 | A | 2.24  | 6.70  | 0.16 | 67.9  | 104.4 | 5.41 | 0.116 | 5.93 |
| Soil | D | 7/16/2014 | S | T | 6 | 36 | A | 3.05  | 15.52 | 0.11 | 62.1  | 75.5  | 5.25 | 0.132 | 5.73 |
| Soil | D | 8/19/2014 | S | C | 1 | 12 | S | 2.96  | 13.14 | 0.33 | 94.8  | 174.5 | 5.28 | 0.153 | 6.29 |
| Soil | D | 8/19/2014 | S | C | 1 | 24 | S | 13.01 | 7.70  | 0.22 | 49.9  | 139.8 | 3.32 | 0.093 | 6.22 |
| Soil | D | 8/19/2014 | S | C | 1 | 36 | S | 4.84  | 4.00  | 0.09 | 31.6  | 50.9  | 1.09 | 0.057 | 6.09 |
| Soil | D | 8/19/2014 | S | C | 4 | 12 | S | 16.61 | 2.31  | 0.30 | 76.5  | 164.1 | 4.62 | 0.075 | 5.87 |
| Soil | D | 8/19/2014 | S | C | 4 | 24 | S | 8.36  | 2.18  | 0.09 | 17.9  | 58.8  | 3.93 | 0.064 | 5.73 |
| Soil | D | 8/19/2014 | S | C | 4 | 36 | S | 6.23  | 1.56  | 0.15 | 34.9  | 61.0  | 2.32 | 0.049 | 5.81 |
| Soil | D | 8/19/2014 | S | C | 6 | 12 | S | 6.04  | 7.37  | 0.35 | 102.2 | 188.4 | 5.60 | 0.122 | 5.82 |
| Soil | D | 8/19/2014 | S | C | 6 | 24 | S | 3.38  | 2.98  | 0.06 | 23.8  | 111.3 | 0.12 | 0.105 | 5.91 |
| Soil | D | 8/19/2014 | S | C | 6 | 36 | S | 9.74  | 3.17  | 0.04 | 27.0  | 79.0  | 0.11 | 0.085 | 5.89 |
| Soil | D | 8/19/2014 | S | T | 1 | 12 | A | 4.11  | 6.14  | 0.25 | 125.6 | 229.2 | 6.68 | 0.107 | 6.12 |
| Soil | D | 8/19/2014 | S | T | 1 | 24 | A | 8.51  | 2.70  | 0.14 | 43.3  | 90.0  | 0.12 | 0.095 | 5.81 |
| Soil | D | 8/19/2014 | S | T | 1 | 36 | A | 3.99  | 4.33  | 0.04 | 69.3  | 105.4 | 0.12 | 0.091 | 5.88 |
| Soil | D | 8/19/2014 | S | T | 4 | 12 | A | 9.07  | 19.34 | 0.17 | 142.9 | 253.3 | 2.07 | 0.170 | 5.97 |
| Soil | D | 8/19/2014 | S | T | 4 | 24 | A | 4.18  | 6.85  | 0.16 | 40.7  | 145.7 | 2.32 | 0.100 | 5.78 |
| Soil | D | 8/19/2014 | S | T | 4 | 36 | A | 14.05 | 9.7   | 0.14 | 30.2  | 186.2 | 4.99 | 0.086 | 5.86 |
| Soil | D | 8/19/2014 | S | T | 6 | 12 | A | 12.21 | 22.03 | 0.43 | 117.1 | 243.3 | 6.86 | 0.213 | 5.80 |
| Soil | D | 8/19/2014 | S | T | 6 | 24 | A | 19.24 | 8.55  | 0.17 | 54.7  | 78.4  | 2.16 | 0.112 | 5.88 |
| Soil | D | 8/19/2014 | S | T | 6 | 36 | A | 14.84 | 10.16 | 0.09 | 28.3  | 36.6  | 0.90 | 0.099 | 5.89 |
| Soil | D | 9/15/2014 | S | C | 1 | 12 | S | 3.28  | 31.19 | 0.37 | 162.1 | 289.4 | 5.94 | 0.251 | 6.12 |
| Soil | D | 9/15/2014 | S | C | 1 | 24 | S | 3.17  | 24.19 | 0.22 | 46.5  | 146.7 | 3.08 | 0.198 | 6.11 |

|      |   |           |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 9/15/2014 | S | C | 1 | 36 | S | 2.73  | 21.72 | 0.16 | 36.5  | 146.2 | 2.60 | 0.195 | 6.13 |
| Soil | D | 9/15/2014 | S | C | 4 | 12 | S | 2.89  | 17.71 | 0.31 | 64.2  | 192.4 | 4.07 | 0.182 | 6.14 |
| Soil | D | 9/15/2014 | S | C | 4 | 24 | S | 2.56  | 15.44 | 0.27 | 55.1  | 174.0 | 3.85 | 0.176 | 6.15 |
| Soil | D | 9/15/2014 | S | C | 4 | 36 | S | 2.00  | 9.20  | 0.20 | 16.6  | 106.5 | 2.90 | 0.101 | 6.03 |
| Soil | D | 9/15/2014 | S | C | 6 | 12 | S | 4.23  | 30.36 | 0.28 | 251.9 | 366.6 | 6.56 | 0.242 | 6.24 |
| Soil | D | 9/15/2014 | S | C | 6 | 24 | S | 2.14  | 10.57 | 0.41 | 18.1  | 109.6 | 6.57 | 0.183 | 6.34 |
| Soil | D | 9/15/2014 | S | C | 6 | 36 | S | 3.84  | 29.68 | 0.26 | 27.1  | 105.1 | 3.78 | 0.111 | 6.10 |
| Soil | D | 9/15/2014 | S | T | 1 | 12 | A | 3.78  | 13.13 | 0.41 | 285.6 | 434.0 | 6.69 | 0.195 | 5.91 |
| Soil | D | 9/15/2014 | S | T | 1 | 24 | A | 3.47  | 3.09  | 0.29 | 108.4 | 186.1 | 4.59 | 0.128 | 5.81 |
| Soil | D | 9/15/2014 | S | T | 1 | 36 | A | 2.71  | 4.24  | 0.19 | 56.1  | 138.9 | 4.09 | 0.108 | 5.81 |
| Soil | D | 9/15/2014 | S | T | 4 | 12 | A | 3.94  | 29.64 | 0.33 | 257.3 | 387.1 | 6.74 | 0.249 | 5.93 |
| Soil | D | 9/15/2014 | S | T | 4 | 24 | A | 3.30  | 16.03 | 0.24 | 60.1  | 164.0 | 4.27 | 0.179 | 6.00 |
| Soil | D | 9/15/2014 | S | T | 4 | 36 | A | 5.80  | 30.04 | 0.37 | 91.6  | 190.8 | 7.51 | 0.291 | 5.98 |
| Soil | D | 9/15/2014 | S | T | 6 | 12 | A | 4.33  | 43.48 | 0.42 | 215.6 | 375.5 | 7.14 | 0.321 | 5.73 |
| Soil | D | 9/15/2014 | S | T | 6 | 24 | A | 2.34  | 16.41 | 0.17 | 60.0  | 164.1 | 2.83 | 0.097 | 5.96 |
| Soil | D | 9/15/2014 | S | T | 6 | 36 | A | 1.70  | 7.22  | 0.26 | 35.6  | 85.5  | 1.70 | 0.098 | 6.04 |
| Soil | D | 10/8/2014 | F | C | 1 | 12 | S | 4.65  | 24.03 | 0.39 | 196.4 | 385.0 | 6.29 | 0.278 | 6.01 |
| Soil | D | 10/8/2014 | F | C | 1 | 24 | S | 3.46  | 16.94 | 0.23 | 35.0  | 173.4 | 4.25 | 0.201 | 5.97 |
| Soil | D | 10/8/2014 | F | C | 1 | 36 | S | 16.60 | 0.90  | 0.14 | 15.7  | 224.0 | 1.66 | 0.184 | 6.03 |
| Soil | D | 10/8/2014 | F | C | 4 | 12 | S | 2.80  | 25.17 | 0.32 | 107.6 | 312.1 | 4.61 | 0.318 | 6.05 |
| Soil | D | 10/8/2014 | F | C | 4 | 24 | S | 1.93  | 12.57 | 0.20 | 17.6  | 166.5 | 2.56 | 0.321 | 5.95 |
| Soil | D | 10/8/2014 | F | C | 4 | 36 | S | 2.14  | 14.83 | 0.18 | 31.3  | 147.1 | 2.33 | 0.264 | 6.09 |
| Soil | D | 10/8/2014 | F | C | 6 | 12 | S | 4.06  | 52.13 | 0.38 | 32.0  | 298.2 | 6.35 | 0.368 | 5.99 |
| Soil | D | 10/8/2014 | F | C | 6 | 24 | S | 2.23  | 19.66 | 0.21 | 4.6   | 151.5 | 2.97 | 0.291 | 6.13 |
| Soil | D | 10/8/2014 | F | C | 6 | 36 | S | 2.05  | 28.38 | 0.17 | 13.0  | 130.1 | 2.45 | 0.314 | 6.21 |
| Soil | D | 10/8/2014 | F | T | 1 | 12 | A | 4.06  | 23.89 | 0.39 | 361.8 | 450.2 | 6.90 | 0.284 | 5.87 |
| Soil | D | 10/8/2014 | F | T | 1 | 24 | A | 3.14  | 8.57  | 0.27 | 152.2 | 296.6 | 4.45 | 0.150 | 6.03 |
| Soil | D | 10/8/2014 | F | T | 1 | 36 | A | 3.00  | 10.45 | 0.31 | 90.6  | 229.1 | 5.72 | 0.085 | 6.10 |
| Soil | D | 10/8/2014 | F | T | 4 | 12 | A | 4.67  | 49.28 | 0.43 | 359.4 | 513.7 | 7.42 | 0.172 | 5.83 |
| Soil | D | 10/8/2014 | F | T | 4 | 24 | A | 5.36  | 8.31  | 0.23 | 46.0  | 95.4  | 4.03 | 0.143 | 6.23 |

|      |   |            |   |   |   |    |   |       |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 10/8/2014  | F | T | 4 | 36 | A | 21.21 | 7.67  | 0.22 | 20.1  | 84.8  | 3.33 | 0.125 | 6.26 |
| Soil | D | 10/8/2014  | F | T | 6 | 12 | A | 4.97  | 39.16 | 0.37 | 163.9 | 304.1 | 6.05 | 0.370 | 5.60 |
| Soil | D | 10/8/2014  | F | T | 6 | 24 | A | 11.19 | 19.97 | 0.22 | 68.2  | 131.4 | 4.62 | 0.210 | 5.73 |
| Soil | D | 10/8/2014  | F | T | 6 | 36 | A | 3.79  | 17.37 | 0.19 | 71.9  | 153.0 | 6.11 | 0.239 | 5.61 |
| Soil | D | 10/24/2014 | F | C | 1 | 12 | S | 3.83  | 48.23 | 0.31 | 131.5 | 240.1 | 4.96 | 0.245 | 5.89 |
| Soil | D | 10/24/2014 | F | C | 1 | 24 | S | 2.33  | 18.61 | 0.19 | 105.0 | 156.7 | 3.49 | 0.313 | 5.83 |
| Soil | D | 10/24/2014 | F | C | 1 | 36 | S | 4.08  | 8.77  | 0.14 | 38.4  | 65.5  | 2.66 | 0.190 | 5.83 |
| Soil | D | 10/24/2014 | F | C | 4 | 12 | S | 2.78  | 13.41 | 0.31 | 107.6 | 238.7 | 4.73 | 0.222 | 5.89 |
| Soil | D | 10/24/2014 | F | C | 4 | 24 | S | 2.69  | 10.92 | 0.16 | 32.9  | 155.6 | 2.41 | 0.251 | 5.77 |
| Soil | D | 10/24/2014 | F | C | 4 | 36 | S | 3.13  | 4.25  | 0.12 | 26.8  | 58.6  | 1.66 | 0.192 | 5.60 |
| Soil | D | 10/24/2014 | F | C | 6 | 12 | S | 3.41  | 9.11  | 0.29 | 89.3  | 219.9 | 4.93 | 0.147 | 5.86 |
| Soil | D | 10/24/2014 | F | C | 6 | 24 | S | 3.64  | 17.65 | 0.26 | 57.4  | 210.5 | 4.09 | 0.276 | 5.71 |
| Soil | D | 10/24/2014 | F | C | 6 | 36 | S | 4.56  | 26.92 | 0.21 | 40.0  | 106.2 | 3.35 | 0.212 | 5.80 |
| Soil | D | 10/24/2014 | F | T | 1 | 12 | A | 3.10  | 45.94 | 0.36 | 236.4 | 339.8 | 6.30 | 0.207 | 5.83 |
| Soil | D | 10/24/2014 | F | T | 1 | 24 | A | 2.97  | 25.74 | 0.26 | 25.7  | 99.0  | 4.15 | 0.181 | 5.87 |
| Soil | D | 10/24/2014 | F | T | 1 | 36 | A | 2.59  | 22.50 | 0.19 | 40.6  | 68.4  | 2.90 | 0.140 | 5.89 |
| Soil | D | 10/24/2014 | F | T | 4 | 12 | A | 5.35  | 5.04  | 0.45 | 278.5 | 467.1 | 7.60 | 0.169 | 5.78 |
| Soil | D | 10/24/2014 | F | T | 4 | 24 | A | 4.63  | 2.82  | 0.17 | 42.5  | 230.8 | 2.72 | 0.128 | 6.15 |
| Soil | D | 10/24/2014 | F | T | 4 | 36 | A | 6.51  | 9.83  | 0.32 | 39.4  | 135.5 | 5.34 | 0.237 | 5.85 |
| Soil | D | 10/24/2014 | F | T | 6 | 12 | A | 5.52  | 35.18 | 0.41 | 227.4 | 407.8 | 7.00 | 0.260 | 5.67 |
| Soil | D | 10/24/2014 | F | T | 6 | 24 | A | 4.16  | 28.90 | 0.26 | 105.8 | 266.9 | 3.82 | 0.307 | 5.57 |
| Soil | D | 10/24/2014 | F | T | 6 | 36 | A | 4.86  | 26.18 | 0.09 | 42.4  | 95.3  | 1.70 | 0.199 | 5.83 |
| Soil | D | 11/7/2014  | F | C | 1 | 12 | S | 6.39  | 23.06 | 0.34 | 143.7 | 274.5 | 5.94 | 0.106 | 6.24 |
| Soil | D | 11/7/2014  | F | C | 1 | 24 | S | 4.60  | 30.49 | 0.23 | 51.2  | 178.6 | 3.92 | 0.122 | 5.96 |
| Soil | D | 11/7/2014  | F | C | 1 | 36 | S | 3.37  | 3.62  | 0.11 | 29.0  | 82.6  | 2.72 | 0.171 | 5.78 |
| Soil | D | 11/7/2014  | F | C | 4 | 12 | S | 3.67  | 14.60 | 0.28 | 117.8 | 218.0 | 4.70 | 0.093 | 6.54 |
| Soil | D | 11/7/2014  | F | C | 4 | 24 | S | 1.92  | 16.60 | 0.12 | 19.9  | 163.5 | 1.70 | 0.181 | 6.31 |
| Soil | D | 11/7/2014  | F | C | 4 | 36 | S | 2.65  | 15.27 | 0.09 | 11.7  | 128.6 | 1.39 | 0.152 | 6.39 |
| Soil | D | 11/7/2014  | F | C | 6 | 12 | S | 1.43  | 6.08  | 0.30 | 134.1 | 246.9 | 5.15 | 0.108 | 6.36 |
| Soil | D | 11/7/2014  | F | C | 6 | 24 | S | 2.72  | 10.38 | 0.11 | 11.8  | 83.8  | 2.15 | 0.231 | 6.10 |

|      |   |            |   |   |   |    |   |      |        |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|--------|------|-------|-------|------|-------|------|
| Soil | D | 11/7/2014  | F | C | 6 | 36 | S | 2.10 | 32.83  | 0.18 | 43.0  | 87.6  | 3.12 | 0.115 | 6.23 |
| Soil | D | 11/7/2014  | F | T | 1 | 12 | A | 6.53 | 24.12  | 0.31 | 224.3 | 412.5 | 5.71 | 0.231 | 5.86 |
| Soil | D | 11/7/2014  | F | T | 1 | 24 | A | 2.86 | 25.24  | 0.13 | 22.2  | 123.4 | 2.85 | 0.184 | 5.92 |
| Soil | D | 11/7/2014  | F | T | 1 | 36 | A | 4.03 | 22.48  | 0.13 | 9.9   | 95.4  | 2.67 | 0.171 | 6.00 |
| Soil | D | 11/7/2014  | F | T | 4 | 12 | A | 3.32 | 28.38  | 0.36 | 208.3 | 406.8 | 6.97 | 0.157 | 6.18 |
| Soil | D | 11/7/2014  | F | T | 4 | 24 | A | 3.62 | 106.31 | 0.22 | 24.6  | 87.0  | 3.49 | 0.353 | 6.11 |
| Soil | D | 11/7/2014  | F | T | 4 | 36 | A | 2.90 | 49.82  | 0.17 | 30.7  | 83.5  | 3.38 | 0.399 | 6.13 |
| Soil | D | 11/7/2014  | F | T | 6 | 12 | A | 3.15 | 19.64  | 0.33 | 229.2 | 364.0 | 6.53 | 0.152 | 6.13 |
| Soil | D | 11/7/2014  | F | T | 6 | 24 | A | 3.12 | 28.39  | 0.13 | 89.8  | 213.1 | 2.71 | 0.142 | 6.13 |
| Soil | D | 11/7/2014  | F | T | 6 | 36 | A | 2.32 | 20.27  | 0.03 | 23.3  | 56.8  | 0.55 | 0.129 | 6.27 |
| Soil | D | 11/24/2014 | F | C | 1 | 12 | S | 3.08 | 11.94  | 0.30 | 197.8 | 307.3 | 5.71 | 0.231 | 6.11 |
| Soil | D | 11/24/2014 | F | C | 1 | 24 | S | 2.26 | 64.15  | 0.26 | 85.1  | 163.6 | 4.42 | 0.387 | 5.71 |
| Soil | D | 11/24/2014 | F | C | 1 | 36 | S | 2.30 | 31.13  | 0.11 | 25.5  | 221.6 | 1.51 | 0.303 | 5.66 |
| Soil | D | 11/24/2014 | F | C | 4 | 12 | S | 2.19 | 27.86  | 0.42 | 177.5 | 285.7 | 7.44 | 0.275 | 6.06 |
| Soil | D | 11/24/2014 | F | C | 4 | 24 | S | 1.96 | 15.98  | 0.21 | 84.3  | 174.1 | 3.35 | 0.194 | 6.21 |
| Soil | D | 11/24/2014 | F | C | 4 | 36 | S | 2.52 | 12.87  | 0.16 | 26.6  | 125.6 | 2.50 | 0.298 | 6.09 |
| Soil | D | 11/24/2014 | F | C | 6 | 12 | S | 1.44 | 16.04  | 0.36 | 138.4 | 268.5 | 5.91 | 0.256 | 6.09 |
| Soil | D | 11/24/2014 | F | C | 6 | 24 | S | 3.72 | 19.29  | 0.15 | 60.1  | 135.6 | 2.55 | 0.275 | 6.12 |
| Soil | D | 11/24/2014 | F | C | 6 | 36 | S | 2.99 | 32.61  | 0.17 | 27.3  | 75.3  | 2.16 | 0.251 | 6.17 |
| Soil | D | 11/24/2014 | F | T | 1 | 12 | A | 2.09 | 4.70   | 0.30 | 214.4 | 421.9 | 5.54 | 0.136 | 6.20 |
| Soil | D | 11/24/2014 | F | T | 1 | 24 | A | 2.88 | 12.29  | 0.15 | 90.5  | 186.6 | 2.50 | 0.139 | 6.16 |
| Soil | D | 11/24/2014 | F | T | 1 | 36 | A | 3.94 | 17.07  | 0.13 | 111.9 | 211.5 | 2.52 | 0.162 | 6.06 |
| Soil | D | 11/24/2014 | F | T | 4 | 12 | A | 3.26 | 18.92  | 0.38 | 136.6 | 334.8 | 7.29 | 0.074 | 6.04 |
| Soil | D | 11/24/2014 | F | T | 4 | 24 | A | 2.97 | 13.37  | 0.23 | 24.7  | 123.0 | 4.59 | 0.139 | 6.00 |
| Soil | D | 11/24/2014 | F | T | 4 | 36 | A | 4.91 | 18.90  | 0.46 | 10.9  | 65.0  | 4.88 | 0.195 | 6.05 |
| Soil | D | 11/24/2014 | F | T | 6 | 12 | A | 3.99 | 6.99   | 0.30 | 222.1 | 379.5 | 5.27 | 0.076 | 6.15 |
| Soil | D | 11/24/2014 | F | T | 6 | 24 | A | 2.17 | 13.83  | 0.10 | 39.5  | 192.3 | 1.47 | 0.205 | 6.03 |
| Soil | D | 11/24/2014 | F | T | 6 | 36 | A | 2.92 | 23.24  | 0.08 | 18.5  | 112.0 | 1.52 | 0.084 | 5.97 |
| Soil | D | 12/22/2014 | F | C | 1 | 12 | S | 2.08 | 9.79   | 0.36 | 173.6 | 286.4 | 5.79 | 0.069 | 6.15 |
| Soil | D | 12/22/2014 | F | C | 1 | 24 | S | 1.95 | 10.54  | 0.17 | 34.6  | 233.0 | 2.31 | 0.109 | 5.86 |

|      |   |            |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|------------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | D | 12/22/2014 | F | C | 1 | 36 | S | 1.79 | 9.82  | 0.11 | 30.3  | 65.6  | 1.12 | 0.133 | 5.60 |
| Soil | D | 12/22/2014 | F | C | 4 | 12 | S | 2.01 | 12.18 | 0.35 | 168.2 | 321.6 | 5.14 | 0.081 | 6.21 |
| Soil | D | 12/22/2014 | F | C | 4 | 24 | S | 2.62 | 13.99 | 0.18 | 17.5  | 124.6 | 2.05 | 0.184 | 6.13 |
| Soil | D | 12/22/2014 | F | C | 4 | 36 | S | 2.40 | 28.06 | 0.22 | 15.0  | 105.0 | 3.17 | 0.102 | 6.31 |
| Soil | D | 12/22/2014 | F | C | 6 | 12 | S | 2.37 | 13.64 | 0.36 | 122.1 | 252.2 | 5.55 | 0.177 | 5.76 |
| Soil | D | 12/22/2014 | F | C | 6 | 24 | S | 2.43 | 17.05 | 0.29 | 55.5  | 187.0 | 4.19 | 0.110 | 5.66 |
| Soil | D | 12/22/2014 | F | C | 6 | 36 | S | 2.08 | 14.68 | 0.14 | 13.3  | 99.5  | 1.41 | 0.121 | 5.98 |
| Soil | D | 12/22/2014 | F | T | 1 | 12 | A | 4.57 | 2.97  | 0.37 | 271.5 | 326.1 | 6.00 | 0.044 | 6.30 |
| Soil | D | 12/22/2014 | F | T | 1 | 24 | A | 4.36 | 9.78  | 0.24 | 130.3 | 305.0 | 3.81 | 0.050 | 5.99 |
| Soil | D | 12/22/2014 | F | T | 1 | 36 | A | 4.15 | 10.54 | 0.19 | 100.6 | 224.0 | 3.15 | 0.133 | 6.14 |
| Soil | D | 12/22/2014 | F | T | 4 | 12 | A | 3.61 | 8.09  | 0.42 | 245.5 | 405.8 | 6.84 | 0.102 | 5.87 |
| Soil | D | 12/22/2014 | F | T | 4 | 24 | A | 3.27 | 12.73 | 0.31 | 8.9   | 45.1  | 4.38 | 0.114 | 6.13 |
| Soil | D | 12/22/2014 | F | T | 4 | 36 | A | 4.95 | 7.20  | 0.23 | 12.4  | 51.2  | 4.53 | 0.116 | 6.03 |
| Soil | D | 12/22/2014 | F | T | 6 | 12 | A | 4.78 | 9.25  | 0.36 | 194.8 | 323.8 | 5.76 | 0.141 | 6.09 |
| Soil | D | 12/22/2014 | F | T | 6 | 24 | A | 2.22 | 9.18  | 0.17 | 26.4  | 167.0 | 2.09 | 0.150 | 6.32 |
| Soil | D | 12/22/2014 | F | T | 6 | 36 | A | 2.79 | 14.45 | 0.05 | 12.7  | 37.6  | 2.03 | 0.075 | 6.10 |
| Soil | D | 1/21/2015  | W | C | 1 | 12 | S | 6.76 | 52.50 | 0.34 | 240.8 | 253.1 | 5.93 | 0.118 | 6.16 |
| Soil | D | 1/21/2015  | W | C | 1 | 24 | S | 2.42 | 14.84 | 0.17 | 77.2  | 63.2  | 4.56 | 0.125 | 6.08 |
| Soil | D | 1/21/2015  | W | C | 1 | 36 | S | 2.97 | 13.27 | 0.19 | 56.0  | 62.5  | 3.35 | 0.073 | 6.21 |
| Soil | D | 1/21/2015  | W | C | 4 | 12 | S | 6.82 | 20.06 | 0.36 | 248.2 | 291.7 | 6.17 | 0.144 | 6.18 |
| Soil | D | 1/21/2015  | W | C | 4 | 24 | S | 3.44 | 10.23 | 0.28 | 81.9  | 159.0 | 3.90 | 0.122 | 6.33 |
| Soil | D | 1/21/2015  | W | C | 4 | 36 | S | 1.98 | 24.15 | 0.36 | 53.1  | 99.5  | 6.24 | 0.183 | 6.21 |
| Soil | D | 1/21/2015  | W | C | 6 | 12 | S | 4.41 | 33.63 | 0.31 | 237.0 | 282.7 | 5.20 | 0.171 | 6.10 |
| Soil | D | 1/21/2015  | W | C | 6 | 24 | S | 1.69 | 24.90 | 0.19 | 81.0  | 148.9 | 2.77 | 0.152 | 6.15 |
| Soil | D | 1/21/2015  | W | C | 6 | 36 | S | 2.34 | 26.43 | 0.24 | 55.5  | 85.0  | 3.62 | 0.153 | 6.02 |
| Soil | D | 1/21/2015  | W | T | 1 | 12 | A | 5.05 | 15.98 | 0.29 | 426.4 | 372.6 | 4.37 | 0.170 | 5.96 |
| Soil | D | 1/21/2015  | W | T | 1 | 24 | A | 4.69 | 9.97  | 0.31 | 160.6 | 246.4 | 5.35 | 0.144 | 5.99 |
| Soil | D | 1/21/2015  | W | T | 1 | 36 | A | 2.62 | 7.30  | 0.18 | 160.8 | 249.0 | 3.02 | 0.065 | 6.13 |
| Soil | D | 1/21/2015  | W | T | 4 | 12 | A | 6.38 | 15.45 | 0.35 | 359.9 | 545.0 | 6.09 | 0.143 | 5.92 |
| Soil | D | 1/21/2015  | W | T | 4 | 24 | A | 6.09 | 5.84  | 0.27 | 172.3 | 259.6 | 4.27 | 0.101 | 6.26 |

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|------|---|-----------|---|---|---|----|---|-------|-------|------|-------|-------|------|-------|------|
| Soil | D | 1/21/2015 | W | T | 4 | 36 | A | 28.95 | 11.18 | 0.15 | 111.2 | 243.3 | 2.18 | 0.225 | 6.18 |
| Soil | D | 1/21/2015 | W | T | 6 | 12 | A | 7.38  | 15.08 | 0.32 | 264.1 | 395.0 | 5.31 | 0.107 | 6.16 |
| Soil | D | 1/21/2015 | W | T | 6 | 24 | A | 3.51  | 2.14  | 0.11 | 91.5  | 144.1 | 3.19 | 0.066 | 6.35 |
| Soil | D | 1/21/2015 | W | T | 6 | 36 | A | 3.35  | 2.72  | 0.09 | 63.8  | 100.5 | 0.68 | 0.073 | 6.37 |
| Soil | D | 2/23/2015 | W | C | 1 | 12 | S | 6.19  | 3.87  | 0.30 | 214.7 | 326.7 | 5.66 | 0.192 | 5.73 |
| Soil | D | 2/23/2015 | W | C | 1 | 24 | S | 9.29  | 2.33  | 0.19 | 79.4  | 154.6 | 3.11 | 0.123 | 6.08 |
| Soil | D | 2/23/2015 | W | C | 1 | 36 | S | 3.73  | 3.14  | 0.17 | 92.4  | 211.6 | 2.99 | 0.113 | 6.51 |
| Soil | D | 2/23/2015 | W | C | 4 | 12 | S | 4.45  | 5.17  | 0.32 | 174.6 | 221.9 | 5.34 | 0.142 | 6.17 |
| Soil | D | 2/23/2015 | W | C | 4 | 24 | S | 4.90  | 3.59  | 0.22 | 73.6  | 164.9 | 3.98 | 0.120 | 6.21 |
| Soil | D | 2/23/2015 | W | C | 4 | 36 | S | 4.85  | 1.28  | 0.18 | 34.6  | 117.8 | 2.75 | 0.091 | 6.44 |
| Soil | D | 2/23/2015 | W | C | 6 | 12 | S | 6.02  | 2.70  | 0.33 | 134.9 | 195.2 | 5.64 | 0.162 | 6.07 |
| Soil | D | 2/23/2015 | W | C | 6 | 24 | S | 4.44  | 3.82  | 0.23 | 67.2  | 140.8 | 3.73 | 0.195 | 6.06 |
| Soil | D | 2/23/2015 | W | C | 6 | 36 | S | 2.08  | 2.16  | 0.10 | 18.8  | 63.5  | 1.36 | 0.129 | 6.09 |
| Soil | D | 2/23/2015 | W | T | 1 | 12 | A | 3.44  | 2.62  | 0.33 | 216.9 | 283.9 | 5.64 | 0.164 | 6.06 |
| Soil | D | 2/23/2015 | W | T | 1 | 24 | A | 4.76  | 2.36  | 0.25 | 132.0 | 233.9 | 4.12 | 0.109 | 6.16 |
| Soil | D | 2/23/2015 | W | T | 1 | 36 | A | 3.87  | 1.01  | 0.13 | 52.1  | 153.1 | 2.24 | 0.111 | 6.28 |
| Soil | D | 2/23/2015 | W | T | 4 | 12 | A | 6.03  | 4.07  | 0.41 | 228.5 | 349.8 | 7.34 | 0.177 | 6.05 |
| Soil | D | 2/23/2015 | W | T | 4 | 24 | A | 4.62  | 5.56  | 0.25 | 56.3  | 116.8 | 5.51 | 0.117 | 6.09 |
| Soil | D | 2/23/2015 | W | T | 4 | 36 | A | 3.27  | 2.55  | 0.16 | 7.6   | 27.5  | 3.39 | 0.090 | 6.17 |
| Soil | D | 2/23/2015 | W | T | 6 | 12 | A | 6.46  | 5.43  | 0.33 | 201.5 | 252.2 | 5.99 | 0.169 | 6.07 |
| Soil | D | 2/23/2015 | W | T | 6 | 24 | A | 7.99  | 8.51  | 0.29 | 114.5 | 222.4 | 4.85 | 0.167 | 6.01 |
| Soil | D | 2/23/2015 | W | T | 6 | 36 | A | 2.60  | 6.50  | 0.13 | 42.3  | 216.5 | 2.28 | 0.134 | 5.96 |
| Soil | D | 3/26/2015 | W | C | 1 | 12 | S | 6.97  | 13.47 | 0.39 | 160.3 | 294.1 | 5.69 | 0.187 | 5.47 |
| Soil | D | 3/26/2015 | W | C | 1 | 24 | S | 3.86  | 3.35  | 0.17 | 55.9  | 139.5 | 1.60 | 0.187 | 5.60 |
| Soil | D | 3/26/2015 | W | C | 1 | 36 | S | 5.08  | 7.00  | 0.15 | 46.6  | 83.3  | 1.14 | 0.113 | 5.46 |
| Soil | D | 3/26/2015 | W | C | 4 | 12 | S | 11.69 | 8.68  | 0.40 | 127.0 | 267.9 | 5.47 | 0.192 | 5.54 |
| Soil | D | 3/26/2015 | W | C | 4 | 24 | S | 3.62  | 1.90  | 0.19 | 26.5  | 170.5 | 1.80 | 0.135 | 5.66 |
| Soil | D | 3/26/2015 | W | C | 4 | 36 | S | 4.94  | 1.06  | 0.17 | 25.5  | 108.9 | 2.18 | 0.124 | 5.65 |
| Soil | D | 3/26/2015 | W | C | 6 | 12 | S | 5.15  | 11.88 | 0.38 | 99.0  | 257.2 | 5.41 | 0.190 | 5.64 |
| Soil | D | 3/26/2015 | W | C | 6 | 24 | S | 3.40  | 12.02 | 0.13 | 18.6  | 173.3 | 0.61 | 0.182 | 5.85 |

|      |   |           |   |   |   |    |   |      |       |      |       |       |      |       |      |
|------|---|-----------|---|---|---|----|---|------|-------|------|-------|-------|------|-------|------|
| Soil | D | 3/26/2015 | W | C | 6 | 36 | S | 3.56 | 19.99 | 0.17 | 17.3  | 122.7 | 1.46 | 0.209 | 5.78 |
| Soil | D | 3/26/2015 | W | T | 1 | 12 | A | 5.68 | 11.65 | 0.45 | 352.7 | 447.7 | 7.68 | 0.221 | 5.31 |
| Soil | D | 3/26/2015 | W | T | 1 | 24 | A | 7.00 | 16.96 | 0.21 | 130.5 | 210.8 | 3.45 | 0.174 | 5.35 |
| Soil | D | 3/26/2015 | W | T | 1 | 36 | A | 4.99 | 7.61  | 0.13 | 66.8  | 315.1 | 0.87 | 0.121 | 5.32 |
| Soil | D | 3/26/2015 | W | T | 4 | 12 | A | 4.74 | 13.04 | 0.37 | 253.3 | 377.5 | 5.60 | 0.172 | 5.39 |
| Soil | D | 3/26/2015 | W | T | 4 | 24 | A | 4.91 | 14.79 | 0.15 | 25.4  | 93.1  | 2.13 | 0.161 | 5.45 |
| Soil | D | 3/26/2015 | W | T | 4 | 36 | A | 4.28 | 9.56  | 0.19 | 17.8  | 49.9  | 2.43 | 0.146 | 5.39 |
| Soil | D | 3/26/2015 | W | T | 6 | 12 | A | 4.82 | 16.68 | 0.33 | 161.0 | 331.0 | 4.43 | 0.167 | 5.28 |
| Soil | D | 3/26/2015 | W | T | 6 | 24 | A | 3.65 | 5.14  | 0.14 | 69.1  | 116.9 | 0.77 | 0.076 | 5.55 |
| Soil | D | 3/26/2015 | W | T | 6 | 36 | A | 2.82 | 5.37  | 0.14 | 46.7  | 57.2  | 0.25 | 0.108 | 5.49 |
| Soil | D | 4/23/2015 | W | C | 1 | 12 | S | 4.05 | 7.96  | 0.31 | 126.5 | 258.3 | 5.17 | 0.150 | 5.37 |
| Soil | D | 4/23/2015 | W | C | 1 | 24 | S | 2.98 | 9.66  | 0.12 | 39.8  | 186.6 | 1.65 | 0.155 | 5.63 |
| Soil | D | 4/23/2015 | W | C | 1 | 36 | S | 2.83 | 9.48  | 0.10 | 41.5  | 75.4  | 1.31 | 0.124 | 5.59 |
| Soil | D | 4/23/2015 | W | C | 4 | 12 | S | 3.45 | 4.49  | 0.34 | 102.2 | 234.1 | 5.42 | 0.146 | 5.97 |
| Soil | D | 4/23/2015 | W | C | 4 | 24 | S | 2.64 | 2.63  | 0.14 | 15.7  | 110.1 | 1.74 | 0.150 | 5.93 |
| Soil | D | 4/23/2015 | W | C | 4 | 36 | S | 3.14 | 2.20  | 0.23 | 33.4  | 62.3  | 5.02 | 0.134 | 5.80 |
| Soil | D | 4/23/2015 | W | C | 6 | 12 | S | 3.36 | 3.57  | 0.31 | 101.4 | 210.1 | 5.41 | 0.197 | 6.03 |
| Soil | D | 4/23/2015 | W | C | 6 | 24 | S | 3.33 | 1.74  | 0.20 | 30.4  | 113.3 | 2.96 | 0.202 | 6.08 |
| Soil | D | 4/23/2015 | W | C | 6 | 36 | S | 3.90 | 2.05  | 0.35 | 43.9  | 73.6  | 6.02 | 0.216 | 6.05 |
| Soil | D | 4/23/2015 | W | T | 1 | 12 | A | 3.96 | 19.67 | 0.38 | 250.3 | 366.6 | 6.96 | 0.242 | 5.60 |
| Soil | D | 4/23/2015 | W | T | 1 | 24 | A | 2.91 | 40.94 | 0.23 | 98.9  | 207.0 | 3.48 | 0.346 | 5.86 |
| Soil | D | 4/23/2015 | W | T | 1 | 36 | A | 4.29 | 61.70 | 0.22 | 90.0  | 164.3 | 3.62 | 0.394 | 5.79 |
| Soil | D | 4/23/2015 | W | T | 4 | 12 | A | 3.58 | 2.85  | 0.34 | 185.4 | 289.3 | 5.85 | 0.125 | 5.75 |
| Soil | D | 4/23/2015 | W | T | 4 | 24 | A | 2.11 | 0.68  | 0.16 | 16.8  | 47.2  | 2.37 | 0.035 | 5.91 |
| Soil | D | 4/23/2015 | W | T | 4 | 36 | A | 2.63 | 1.08  | 0.15 | 23.1  | 60.3  | 2.48 | 0.052 | 5.87 |
| Soil | D | 4/23/2015 | W | T | 6 | 12 | A | 4.19 | 4.62  | 0.35 | 162.9 | 276.7 | 5.62 | 0.150 | 5.84 |
| Soil | D | 4/23/2015 | W | T | 6 | 24 | A | 2.63 | 1.72  | 0.11 | 33.0  | 104.1 | 2.09 | 0.075 | 5.93 |
| Soil | D | 4/23/2015 | W | T | 6 | 36 | A | 2.48 | 2.42  | 0.09 | 17.9  | 39.0  | 1.13 | 0.071 | 5.88 |

## SOIL WATER DATA

| Medium    | Site | Date       | Season | Plot | Loc | Depth | Trt | NH3<br>(mg/L) | TN<br>(mg/L) | NO3<br>(mg/L) | P1<br>(mg/L) | pH   |
|-----------|------|------------|--------|------|-----|-------|-----|---------------|--------------|---------------|--------------|------|
| SoilWater | B    | 12/2/2011  | F      | T    | 1   | 12    | A   | 0.04          | 54.73        | 50.39         | 0.180        |      |
| SoilWater | B    | 12/2/2011  | F      | T    | 3   | 12    | A   | 0.01          | 104.13       | 89.70         | 0.190        |      |
| SoilWater | B    | 12/2/2011  | F      | T    | 4   | 24    | A   | 0.25          | 55.06        | 49.14         | 0.110        |      |
| SoilWater | B    | 12/2/2011  | F      | T    | 5   | 12    | A   | 0.01          | 83.61        | 73.70         | 0.280        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 1   | 12    | S   | 0.40          | 106.80       | 104.26        | 0.130        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 3   | 12    | S   | 0.11          | 141.76       | 125.85        | 0.215        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 3   | 24    | S   |               | 64.36        | 71.90         | 0.340        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 4   | 12    | S   | 0.24          | 52.12        | 53.20         | 0.220        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 5   | 12    | S   | 0.14          | 92.30        | 78.80         | 0.200        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 6   | 12    | S   | 0.07          | 72.13        | 70.20         | 0.175        |      |
| SoilWater | B    | 12/2/2011  | F      | C    | 6   | 24    | S   | 0.08          | 25.26        | 21.62         | 0.240        |      |
| SoilWater | B    | 12/20/2011 | F      | T    | 1   | 12    | A   |               |              | 73.46         | 1.780        |      |
| SoilWater | B    | 12/20/2011 | F      | T    | 4   | 24    | A   |               |              | 83.07         | 1.010        |      |
| SoilWater | B    | 12/20/2011 | F      | C    | 3   | 12    | S   |               |              | 179.57        | 1.230        |      |
| SoilWater | B    | 12/20/2011 | F      | C    | 5   | 12    | S   |               |              | 117.57        | 1.250        |      |
| SoilWater | B    | 2/6/2012   | W      | C    | 6   | 12    | S   | 0.05          | 24.56        | 17.73         | 0.500        | 6.35 |
| SoilWater | B    | 2/6/2012   | W      | C    | 6   | 24    | S   | 0.05          | 7.81         | 5.45          | 0.510        | 6.20 |
| SoilWater | B    | 2/27/2012  | W      | C    | 6   | 12    | S   | 0.05          | 9.22         | 14.09         | 0.010        |      |
| SoilWater | B    | 2/27/2012  | W      | C    | 6   | 24    | S   | 0.05          | 3.94         | 3.21          | 0.080        |      |
| SoilWater | B    | 2/27/2012  | W      | C    | 6   | 36    | S   | 0.01          |              | 31.11         |              |      |
| SoilWater | B    | 4/27/2012  | SP     | T    | 1   | 12    | A   | 0.31          | 14.70        | 9.79          | 0.210        | 5.42 |
| SoilWater | B    | 4/27/2012  | SP     | T    | 3   | 12    | A   | 0.70          | 50.65        | 38.90         | 1.180        | 7.33 |
| SoilWater | B    | 4/27/2012  | SP     | C    | 1   | 12    | S   | 0.09          | 18.90        | 15.20         | 0.430        | 7.68 |
| SoilWater | B    | 4/27/2012  | SP     | C    | 3   | 12    | S   | 1.34          | 76.03        | 52.12         | 0.410        | 6.27 |
| SoilWater | B    | 4/27/2012  | SP     | C    | 6   | 12    | S   | 0.05          | 3.02         | 0.41          | 0.310        | 5.73 |
| SoilWater | B    | 4/27/2012  | SP     | C    | 6   | 24    | S   | 0.18          | 4.43         | 1.08          | 0.350        | 5.70 |

|           |   |           |   |   |   |    |   |       |        |        |       |      |
|-----------|---|-----------|---|---|---|----|---|-------|--------|--------|-------|------|
| SoilWater | B | 7/10/2012 | S | T | 3 | 12 | A | 0.76  | 51.18  | 26.69  | 2.250 | 6.09 |
| SoilWater | B | 7/10/2012 | S | T | 3 | 24 | A | 0.87  |        | 129.79 | 1.170 | 6.70 |
| SoilWater | B | 7/10/2012 | S | T | 4 | 12 | A | 0.85  | 100.70 | 73.15  | 1.050 | 6.01 |
| SoilWater | B | 7/10/2012 | S | T | 4 | 24 | A | 11.80 |        | 47.16  |       |      |
| SoilWater | B | 7/10/2012 | S | T | 6 | 24 | A | 10.53 |        | 4.39   |       |      |
| SoilWater | B | 7/10/2012 | S | C | 1 | 12 | S | 0.93  |        | 7.94   | 1.220 | 7.00 |
| SoilWater | B | 7/10/2012 | S | C | 3 | 12 | S | 1.85  |        | 74.33  | 1.180 | 6.26 |
| SoilWater | B | 7/10/2012 | S | C | 3 | 24 | S | 23.73 |        | 43.44  | 1.030 |      |
| SoilWater | B | 7/10/2012 | S | C | 4 | 12 | S | 6.74  |        | 64.14  | 0.910 | 7.04 |
| SoilWater | B | 7/10/2012 | S | C | 5 | 12 | S | 1.54  | 76.44  | 46.54  | 2.840 | 6.61 |
| SoilWater | B | 9/25/2012 | S | C | 1 | 12 | S | 0.66  | 125.09 | 67.36  | 0.240 | 5.53 |
| SoilWater | B | 9/25/2012 | S | C | 1 | 24 | S | 2.39  | 9.88   | 4.64   | 0.780 | 5.93 |
| SoilWater | B | 9/25/2012 | S | C | 2 | 12 | S | 0.29  | 38.36  | 38.03  | 0.320 | 5.91 |
| SoilWater | B | 9/25/2012 | S | C | 2 | 24 | S | 0.05  | 14.76  | 14.60  | 0.380 | 5.88 |
| SoilWater | B | 9/25/2012 | S | C | 3 | 12 | S | 2.11  | 55.97  | 55.84  | 0.430 | 5.69 |
| SoilWater | B | 9/25/2012 | S | C | 3 | 24 | S | 2.04  | 47.54  | 49.57  | 1.280 | 7.10 |
| SoilWater | B | 10/1/2012 | F | T | 3 | 12 | A | 0.05  | 66.63  | 7.17   | 0.483 | 5.85 |
| SoilWater | B | 10/1/2012 | F | T | 4 | 12 | A | 0.05  | 17.10  | 18.72  | 0.387 | 6.18 |
| SoilWater | B | 10/1/2012 | F | T | 4 | 24 | A | 0.05  | 23.28  | 3.43   | 0.143 | 6.08 |
| SoilWater | B | 10/1/2012 | F | T | 5 | 12 | A | 0.05  | 6.01   | 1.44   | 0.152 | 6.45 |
| SoilWater | B | 10/1/2012 | F | T | 5 | 24 | A | 0.05  | 12.29  | 13.94  | 0.372 | 6.34 |
| SoilWater | B | 10/1/2012 | F | T | 5 | 36 | A | 0.05  | 10.63  | 11.46  | 0.133 | 6.11 |
| SoilWater | B | 10/1/2012 | F | T | 6 | 12 | A |       |        | 3.29   | 0.172 |      |
| SoilWater | B | 10/1/2012 | F | T | 6 | 24 | A |       |        | 3.41   | 0.219 |      |
| SoilWater | B | 10/1/2012 | F | T | 6 | 36 | A |       |        | 1.91   | 0.010 |      |
| SoilWater | B | 10/1/2012 | F | C | 2 | 12 | S |       |        | 33.12  | 0.218 |      |
| SoilWater | B | 10/1/2012 | F | C | 2 | 24 | S |       |        | 4.20   | 0.010 |      |
| SoilWater | B | 10/1/2012 | F | C | 4 | 12 | S | 0.05  | 44.60  | 45.99  | 0.480 | 6.16 |
| SoilWater | B | 10/1/2012 | F | C | 4 | 24 | S |       |        | 21.01  | 0.261 |      |
| SoilWater | B | 10/1/2012 | F | C | 4 | 36 | S |       |        | 7.87   | 2.830 |      |

|           |   |            |   |   |   |    |   |      |        |        |       |      |
|-----------|---|------------|---|---|---|----|---|------|--------|--------|-------|------|
| SoilWater | B | 10/1/2012  | F | C | 5 | 12 | S | 0.05 | 25.41  | 22.95  | 0.239 | 6.10 |
| SoilWater | B | 10/1/2012  | F | C | 5 | 24 | S | 0.05 | 26.05  | 25.23  | 0.188 | 5.92 |
| SoilWater | B | 10/1/2012  | F | C | 5 | 36 | S |      |        | 7.13   | 0.010 |      |
| SoilWater | B | 11/5/2012  | F | C | 1 | 12 | A | 1.14 | 65.70  | 54.90  | 1.190 | 6.24 |
| SoilWater | B | 11/5/2012  | F | C | 1 | 24 | A | 0.05 | 34.70  | 2.43   | 0.880 | 5.99 |
| SoilWater | B | 11/5/2012  | F | C | 3 | 12 | A | 0.05 | 106.00 | 30.60  | 1.210 | 6.07 |
| SoilWater | B | 11/5/2012  | F | C | 4 | 12 | A | 0.05 | 18.40  | 18.80  | 1.730 | 6.37 |
| SoilWater | B | 11/5/2012  | F | C | 4 | 24 | A |      | 27.40  | 7.59   |       | 5.58 |
| SoilWater | B | 11/5/2012  | F | C | 5 | 12 | A | 0.05 | 26.10  | 7.61   | 0.990 | 5.84 |
| SoilWater | B | 11/5/2012  | F | T | 3 | 12 | S | 0.38 | 216.00 | 76.80  | 0.690 | 5.66 |
| SoilWater | B | 11/5/2012  | F | T | 3 | 24 | S | 0.33 | 116.00 | 61.00  | 1.140 | 6.27 |
| SoilWater | B | 11/5/2012  | F | T | 4 | 12 | S | 0.05 | 21.50  | 22.10  | 1.280 | 5.75 |
| SoilWater | B | 11/5/2012  | F | T | 4 | 24 | S | 0.05 | 138.00 | 18.50  | 3.190 | 5.97 |
| SoilWater | B | 11/5/2012  | F | T | 5 | 12 | S | 3.62 | 240.00 | 70.90  | 2.270 | 6.87 |
| SoilWater | B | 11/5/2012  | F | T | 6 | 12 | S | 0.14 | 68.10  | 153.00 | 0.510 | 5.75 |
| SoilWater | B | 11/5/2012  | F | T | 6 | 24 | S | 1.45 | 77.40  | 77.70  | 0.710 | 5.96 |
| SoilWater | B | 11/27/2012 | F | C | 1 | 12 | A | 0.05 | 6.65   | 5.96   | 0.950 | 6.12 |
| SoilWater | B | 11/27/2012 | F | C | 1 | 24 | A | 0.05 | 5.29   | 5.79   | 0.480 | 6.11 |
| SoilWater | B | 11/27/2012 | F | C | 3 | 12 | A | 0.05 | 16.90  | 13.90  | 1.240 | 6.15 |
| SoilWater | B | 11/27/2012 | F | C | 4 | 12 | A | 0.05 | 6.88   | 5.37   | 1.040 | 6.39 |
| SoilWater | B | 11/27/2012 | F | C | 5 | 12 | A | 0.05 | 5.58   | 5.20   | 1.020 | 6.03 |
| SoilWater | B | 11/27/2012 | F | T | 3 | 12 | S | 0.05 | 16.00  | 15.42  | 1.570 | 5.65 |
| SoilWater | B | 11/27/2012 | F | T | 3 | 24 | S | 0.05 | 73.50  | 68.73  | 1.330 | 6.01 |
| SoilWater | B | 11/27/2012 | F | T | 4 | 12 | S | 0.05 | 15.20  | 15.14  | 1.400 | 5.76 |
| SoilWater | B | 11/27/2012 | F | T | 4 | 24 | S | 0.05 | 43.50  | 40.60  | 1.330 | 5.68 |
| SoilWater | B | 11/27/2012 | F | T | 5 | 12 | S | 0.07 | 18.70  | 18.81  | 0.890 | 5.90 |
| SoilWater | B | 11/27/2012 | F | T | 6 | 12 | S | 0.05 | 33.00  | 35.16  | 0.790 | 6.06 |
| SoilWater | B | 11/27/2012 | F | T | 6 | 24 | S | 0.37 | 52.00  | 52.46  | 0.480 | 5.99 |
| SoilWater | B | 12/27/2012 | F | C | 1 | 12 | A | 0.11 | 4.32   | 1.10   | 4.070 | 7.00 |
| SoilWater | B | 12/27/2012 | F | C | 3 | 12 | A | 0.07 | 12.15  | 16.00  | 2.810 | 7.00 |

|           |   |            |   |   |   |    |   |      |       |       |        |      |
|-----------|---|------------|---|---|---|----|---|------|-------|-------|--------|------|
| SoilWater | B | 12/27/2012 | F | C | 5 | 12 | A | 0.32 | 3.46  | 4.40  | 13.240 | 6.74 |
| SoilWater | B | 12/27/2012 | F | T | 3 | 12 | S | 0.05 | 10.57 | 8.30  | 7.150  | 6.47 |
| SoilWater | B | 12/27/2012 | F | T | 4 | 12 | S | 0.17 | 10.75 | 9.80  | 16.550 |      |
| SoilWater | B | 1/16/2013  | W | C | 1 | 12 | A | 0.05 | 3.83  | 1.82  | 0.890  | 6.15 |
| SoilWater | B | 1/16/2013  | W | C | 1 | 24 | A | 0.05 | 4.77  | 2.90  | 0.490  | 6.12 |
| SoilWater | B | 1/16/2013  | W | C | 3 | 12 | A | 0.05 | 7.14  | 6.44  | 0.850  | 6.14 |
| SoilWater | B | 1/16/2013  | W | C | 4 | 12 | A | 0.05 | 4.55  | 2.68  | 0.710  | 6.31 |
| SoilWater | B | 1/16/2013  | W | C | 5 | 12 | A | 0.05 | 5.64  | 3.59  | 0.490  | 5.92 |
| SoilWater | B | 1/16/2013  | W | T | 3 | 12 | S | 0.05 | 4.60  | 2.60  | 1.080  | 5.94 |
| SoilWater | B | 1/16/2013  | W | T | 3 | 24 | S | 0.05 | 11.80 | 9.73  | 1.100  | 6.09 |
| SoilWater | B | 1/16/2013  | W | T | 4 | 12 | S | 0.05 | 3.52  | 1.25  | 1.460  | 6.05 |
| SoilWater | B | 1/16/2013  | W | T | 5 | 12 | S | 0.10 | 3.45  | 1.37  | 1.300  | 6.32 |
| SoilWater | B | 1/16/2013  | W | T | 6 | 12 | S | 0.05 | 4.13  | 2.45  | 0.330  | 6.13 |
| SoilWater | B | 1/16/2013  | W | T | 6 | 24 | S | 0.25 | 8.29  | 4.98  | 0.250  | 6.15 |
| SoilWater | B | 2/4/2013   | W | C | 1 | 12 | A | 0.05 |       | 0.39  | 4.150  | 6.83 |
| SoilWater | B | 2/4/2013   | W | C | 1 | 24 | A | 0.05 |       | 2.71  | 2.960  | 6.44 |
| SoilWater | B | 2/4/2013   | W | C | 3 | 12 | A | 0.05 | 8.25  | 7.18  | 1.280  | 6.41 |
| SoilWater | B | 2/4/2013   | W | C | 4 | 12 | A | 0.05 |       | 2.21  | 3.770  | 6.36 |
| SoilWater | B | 2/4/2013   | W | C | 5 | 12 | A | 0.05 | 5.40  | 4.01  | 1.020  | 6.09 |
| SoilWater | B | 2/4/2013   | W | T | 3 | 12 | S | 0.05 |       | 2.17  | 6.450  | 7.15 |
| SoilWater | B | 2/4/2013   | W | T | 3 | 24 | S | 0.05 |       | 7.76  | 11.290 | 6.60 |
| SoilWater | B | 2/4/2013   | W | T | 6 | 12 | S | 0.05 |       | 2.33  | 2.890  | 6.52 |
| SoilWater | B | 2/4/2013   | W | T | 6 | 24 | S | 0.05 |       | 1.80  | 3.200  | 6.66 |
| SoilWater | B | 3/8/2013   | W | C | 1 | 12 | A | 0.05 | 4.09  | 5.34  | 1.550  | 6.03 |
| SoilWater | B | 3/8/2013   | W | C | 1 | 24 | A | 0.05 | 6.76  | 2.31  | 5.010  | 6.33 |
| SoilWater | B | 3/8/2013   | W | C | 3 | 12 | A | 0.05 | 6.91  | 6.22  | 6.820  | 6.22 |
| SoilWater | B | 3/8/2013   | W | C | 4 | 12 | A | 0.05 |       | 0.81  |        | 6.54 |
| SoilWater | B | 3/8/2013   | W | C | 5 | 12 | A | 0.05 | 3.26  | 3.84  | 1.110  | 5.73 |
| SoilWater | B | 3/8/2013   | W | T | 3 | 12 | S | 0.05 | 9.28  | 16.30 | 1.780  | 5.72 |
| SoilWater | B | 3/8/2013   | W | T | 3 | 24 | S |      |       |       |        | 6.24 |

|           |   |           |    |   |   |    |   |      |       |       |        |      |
|-----------|---|-----------|----|---|---|----|---|------|-------|-------|--------|------|
| SoilWater | B | 3/8/2013  | W  | T | 4 | 12 | S | 0.05 | 4.39  | 0.85  | 2.540  | 6.20 |
| SoilWater | B | 3/8/2013  | W  | T | 5 | 12 | S | 0.05 | 12.20 | 38.70 | 1.280  | 6.02 |
| SoilWater | B | 3/8/2013  | W  | T | 6 | 12 | S | 0.83 | 7.99  | 3.94  | 2.920  | 6.47 |
| SoilWater | B | 3/8/2013  | W  | T | 6 | 24 | S | 0.08 | 9.00  | 10.58 | 1.050  | 6.22 |
| SoilWater | B | 4/9/2013  | SP | C | 5 | 12 | A | 0.13 |       | 3.07  | 1.480  | 6.03 |
| SoilWater | B | 4/9/2013  | SP | T | 3 | 12 | S | 0.07 | 16.50 | 21.40 | 4.260  | 6.15 |
| SoilWater | B | 4/9/2013  | SP | T | 4 | 12 | S | 0.14 |       | 0.79  | 8.920  | 6.28 |
| SoilWater | B | 4/9/2013  | SP | T | 4 | 24 | S | 0.05 | 6.19  | 2.96  | 0.990  | 5.96 |
| SoilWater | B | 4/9/2013  | SP | T | 5 | 12 | S | 0.64 |       | 33.70 | 6.740  | 7.43 |
| SoilWater | B | 4/30/2013 | SP | C | 3 | 12 | A | 0.27 |       | 1.90  | 5.190  | 7.26 |
| SoilWater | B | 4/30/2013 | SP | C | 5 | 12 | A | 0.23 |       | 3.15  | 2.320  | 7.13 |
| SoilWater | B | 4/30/2013 | SP | T | 3 | 12 | S | 0.93 |       | 20.20 | 11.910 | 7.21 |
| SoilWater | B | 4/30/2013 | SP | T | 4 | 12 | S | 0.13 |       | 0.36  | 14.690 |      |
| SoilWater | B | 5/22/2013 | SP | C | 1 | 12 | A | 2.43 |       | 2.49  | 33.500 | 7.00 |
| SoilWater | B | 5/22/2013 | SP | C | 1 | 24 | A | 0.50 |       | 3.36  | 2.830  | 6.99 |
| SoilWater | B | 5/22/2013 | SP | C | 3 | 12 | A | 0.05 | 10.20 | 10.00 | 9.980  | 6.67 |
| SoilWater | B | 5/22/2013 | SP | C | 4 | 12 | A | 0.05 |       | 3.09  |        |      |
| SoilWater | B | 5/22/2013 | SP | C | 5 | 12 | A | 0.05 |       | 1.40  | 0.010  | 7.05 |
| SoilWater | B | 5/22/2013 | SP | C | 5 | 24 | A | 0.05 |       | 6.70  |        |      |
| SoilWater | B | 5/22/2013 | SP | T | 3 | 12 | S | 0.05 | 25.80 | 24.70 | 16.400 | 6.30 |
| SoilWater | B | 5/22/2013 | SP | T | 3 | 24 | S | 3.45 |       | 12.10 |        |      |
| SoilWater | B | 5/22/2013 | SP | T | 5 | 12 | S | 0.60 |       | 14.90 | 61.900 | 7.26 |
| SoilWater | B | 5/22/2013 | SP | T | 6 | 12 | S | 0.52 |       | 3.35  | 38.100 | 7.28 |
| SoilWater | B | 5/22/2013 | SP | T | 6 | 24 | S | 7.11 |       | 0.50  |        | 7.44 |
| SoilWater | B | 6/27/2013 | SP | C | 1 | 12 | A | 2.67 |       | 7.56  | 12.300 | 5.24 |
| SoilWater | B | 6/27/2013 | SP | C | 1 | 24 | A | 1.01 |       | 5.33  | 59.500 | 5.62 |
| SoilWater | B | 6/27/2013 | SP | C | 4 | 12 | A | 0.05 |       | 6.42  | 0.319  | 6.29 |
| SoilWater | B | 6/27/2013 | SP | C | 5 | 12 | A | 0.05 |       | 2.89  | 2.960  | 5.84 |
| SoilWater | B | 7/2/2013  | S  | T | 3 | 12 | S | 7.72 |       | 10.30 | 3.880  | 6.76 |
| SoilWater | B | 7/2/2013  | S  | T | 4 | 12 | S | 0.05 | 4.50  | 4.55  | 9.640  | 5.99 |

|           |   |          |   |   |   |    |   |       |        |        |        |      |
|-----------|---|----------|---|---|---|----|---|-------|--------|--------|--------|------|
| SoilWater | B | 7/2/2013 | S | T | 4 | 24 | S | 0.05  | 6.69   | 5.94   | 15.110 | 5.92 |
| SoilWater | B | 7/2/2013 | S | T | 5 | 12 | S | 0.05  |        | 8.14   | 17.910 | 5.67 |
| SoilWater | B | 7/2/2013 | S | T | 6 | 12 | S | 0.05  |        | 2.07   | 8.620  | 5.70 |
| SoilWater | B | 8/1/2013 | S | C | 1 | 24 | A | 0.05  | 19.70  | 40.40  | 0.743  | 6.05 |
| SoilWater | B | 8/1/2013 | S | C | 2 | 12 | A | 0.05  | 26.30  | 34.60  | 0.231  | 6.13 |
| SoilWater | B | 8/1/2013 | S | C | 3 | 12 | A | 0.05  |        | 3.93   | 8.820  |      |
| SoilWater | B | 8/1/2013 | S | C | 4 | 12 | A | 0.05  | 15.30  | 12.10  | 1.310  | 6.32 |
| SoilWater | B | 8/1/2013 | S | C | 5 | 12 | A | 0.05  | 40.30  | 37.80  | 3.760  | 6.08 |
| SoilWater | B | 8/1/2013 | S | T | 3 | 12 | S | 0.09  | 22.60  | 72.40  | 0.010  | 5.79 |
| SoilWater | B | 8/1/2013 | S | T | 3 | 24 | S | 0.05  |        | 17.10  | 5.080  |      |
| SoilWater | B | 8/1/2013 | S | T | 4 | 12 | S | 0.05  |        | 2.36   | 10.200 |      |
| SoilWater | B | 8/1/2013 | S | T | 5 | 12 | S | 0.05  | 59.30  | 51.30  | 6.030  | 6.20 |
| SoilWater | B | 8/1/2013 | S | T | 6 | 12 | S | 3.67  |        | 3.48   | 8.640  | 7.07 |
| SoilWater | B | 8/1/2013 | S | T | 6 | 24 | S | 5.27  |        | 1.93   | 23.260 |      |
| SoilWater | B | 8/1/2013 | S | T | 6 | 36 | S | 16.60 |        | 2.18   |        |      |
| SoilWater | B | 9/4/2013 | S | C | 1 | 12 | A | 0.05  | 47.20  | 18.20  | 0.285  | 5.77 |
| SoilWater | B | 9/4/2013 | S | C | 1 | 24 | A | 0.05  | 61.00  | 21.60  | 0.079  | 5.89 |
| SoilWater | B | 9/4/2013 | S | C | 1 | 36 | A | 0.88  | 69.20  | 86.30  | 0.551  | 6.43 |
| SoilWater | B | 9/4/2013 | S | C | 2 | 12 | A | 0.05  | 65.30  | 48.00  | 0.105  | 5.97 |
| SoilWater | B | 9/4/2013 | S | C | 2 | 24 | A | 0.05  | 119.00 | 519.00 | 0.120  | 5.83 |
| SoilWater | B | 9/4/2013 | S | C | 3 | 12 | A | 0.05  | 35.90  | 34.40  | 0.320  | 6.39 |
| SoilWater | B | 9/4/2013 | S | C | 4 | 12 | A | 0.05  | 7.65   | 4.95   | 0.129  | 6.28 |
| SoilWater | B | 9/4/2013 | S | C | 4 | 24 | A | 0.05  | 15.20  | 12.80  | 0.082  | 6.08 |
| SoilWater | B | 9/4/2013 | S | C | 5 | 12 | A | 0.05  | 74.60  | 72.30  | 0.129  | 5.66 |
| SoilWater | B | 9/4/2013 | S | C | 5 | 36 | A | 9.94  |        | 21.60  | 0.781  |      |
| SoilWater | B | 9/4/2013 | S | T | 3 | 12 | S | 0.05  | 66.00  | 17.70  | 0.179  | 5.48 |
| SoilWater | B | 9/4/2013 | S | T | 4 | 12 | S | 0.05  |        | 3.08   | 0.849  |      |
| SoilWater | B | 9/4/2013 | S | T | 5 | 12 | S | 0.05  | 17.00  | 16.60  | 0.454  | 6.54 |
| SoilWater | B | 9/4/2013 | S | T | 6 | 12 | S | 0.05  |        | 24.80  | 3.720  |      |
| SoilWater | B | 9/4/2013 | S | T | 6 | 24 | S | 0.78  |        | 3.06   |        |      |

|           |   |           |   |   |   |    |   |      |       |        |       |      |
|-----------|---|-----------|---|---|---|----|---|------|-------|--------|-------|------|
| SoilWater | B | 9/12/2013 | S | C | 1 | 24 | A | 0.81 | 19.40 | 67.20  | 0.971 | 7.12 |
| SoilWater | B | 9/12/2013 | S | C | 1 | 36 | A | 0.05 |       | 94.10  | 1.250 | 6.00 |
| SoilWater | B | 9/12/2013 | S | C | 2 | 12 | A | 0.05 |       | 15.40  | 0.830 |      |
| SoilWater | B | 9/12/2013 | S | C | 2 | 24 | A |      |       | 147.00 | 0.884 |      |
| SoilWater | B | 9/12/2013 | S | C | 3 | 12 | A | 0.05 | 16.30 | 27.80  | 0.704 | 6.21 |
| SoilWater | B | 9/12/2013 | S | C | 3 | 24 | A |      |       | 1.05   | 4.310 | 8.04 |
| SoilWater | B | 9/12/2013 | S | C | 4 | 12 | A | 0.05 |       | 3.48   | 0.931 | 7.23 |
| SoilWater | B | 9/12/2013 | S | C | 4 | 24 | A | 0.05 |       | 10.10  | 1.050 | 7.64 |
| SoilWater | B | 9/12/2013 | S | C | 5 | 12 | A | 0.05 | 32.30 | 75.50  | 0.539 | 6.14 |
| SoilWater | B | 9/12/2013 | S | C | 5 | 24 | A |      |       | 9.72   | 1.920 |      |
| SoilWater | B | 9/12/2013 | S | T | 3 | 12 | S | 0.05 |       | 58.10  | 0.652 | 6.88 |
| SoilWater | B | 9/12/2013 | S | T | 3 | 36 | S | 0.05 | 2.86  | 3.56   | 0.288 | 6.02 |
| SoilWater | B | 9/12/2013 | S | T | 4 | 12 | S |      |       | 1.46   | 0.863 |      |
| SoilWater | B | 9/12/2013 | S | T | 4 | 24 | S | 0.35 |       | 9.39   | 0.990 | 7.27 |
| SoilWater | B | 9/12/2013 | S | T | 5 | 12 | S |      |       | 3.59   | 1.220 |      |
| SoilWater | B | 9/12/2013 | S | T | 5 | 36 | S |      |       | 2.67   |       |      |
| SoilWater | B | 9/12/2013 | S | T | 6 | 36 | S |      |       | 5.19   |       |      |
| SoilWater | B | 9/25/2013 | S | C | 3 | 12 | A | 0.05 |       | 38.50  | 0.969 | 7.38 |
| SoilWater | B | 9/25/2013 | S | C | 4 | 12 | A |      |       | 0.69   | 0.805 | 8.06 |
| SoilWater | B | 9/25/2013 | S | C | 5 | 12 | A | 0.52 |       | 153.00 | 0.347 | 7.22 |
| SoilWater | B | 9/25/2013 | S | T | 3 | 12 | S | 0.05 |       | 119.00 | 0.526 | 7.96 |
| SoilWater | B | 9/25/2013 | S | T | 3 | 36 | S | 0.05 | 2.02  | 6.99   | 0.178 | 6.28 |
| SoilWater | B | 10/4/2013 | F | C | 1 | 12 | A | 0.40 | 39.40 | 73.70  | 0.679 | 6.56 |
| SoilWater | B | 10/4/2013 | F | C | 1 | 24 | A | 0.05 | 62.40 | 111.00 | 0.315 | 6.14 |
| SoilWater | B | 10/4/2013 | F | C | 3 | 12 | A | 0.05 | 51.60 | 76.50  | 0.479 | 6.82 |
| SoilWater | B | 10/4/2013 | F | T | 3 | 12 | S | 0.06 |       | 43.20  | 0.774 | 6.58 |
| SoilWater | B | 10/4/2013 | F | T | 3 | 36 | S | 0.05 |       | 6.31   | 0.412 | 6.31 |
| SoilWater | B | 10/4/2013 | F | T | 4 | 12 | S | 0.05 | 30.10 | 45.60  | 0.450 | 6.77 |
| SoilWater | B | 10/4/2013 | F | T | 4 | 24 | S | 0.05 | 31.10 | 18.20  | 0.463 | 6.00 |
| SoilWater | B | 10/4/2013 | F | T | 5 | 12 | S | 0.05 | 35.40 | 55.30  | 0.777 | 6.74 |

|           |   |            |   |   |   |    |   |      |       |        |        |      |
|-----------|---|------------|---|---|---|----|---|------|-------|--------|--------|------|
| SoilWater | B | 10/4/2013  | F | T | 6 | 12 | S | 0.05 | 34.40 | 65.60  | 0.387  | 7.29 |
| SoilWater | B | 10/4/2013  | F | T | 6 | 24 | S | 0.39 | 64.70 | 106.00 | 0.745  | 6.70 |
| SoilWater | B | 11/6/2013  | F | C | 1 | 12 | A | 0.05 | 41.03 | 58.78  | 0.142  | 6.16 |
| SoilWater | B | 11/6/2013  | F | C | 1 | 36 | A | 1.81 |       | 24.10  | 1.200  | 7.08 |
| SoilWater | B | 11/6/2013  | F | C | 3 | 12 | A | 0.05 |       | 133.80 | 0.087  | 6.13 |
| SoilWater | B | 11/6/2013  | F | C | 5 | 12 | A | 2.59 |       | 47.40  | 0.656  |      |
| SoilWater | B | 11/6/2013  | F | T | 4 | 12 | S | 0.05 | 27.74 | 42.06  | 0.100  | 6.07 |
| SoilWater | B | 11/6/2013  | F | T | 4 | 24 | S | 0.05 | 64.68 | 102.37 | 12.090 | 6.69 |
| SoilWater | B | 11/6/2013  | F | T | 5 | 12 | S | 0.05 | 29.34 | 42.26  | 0.076  | 6.60 |
| SoilWater | B | 11/6/2013  | F | T | 6 | 12 | S | 0.05 |       | 58.78  | 0.041  | 6.47 |
| SoilWater | B | 11/22/2013 | F | C | 1 | 12 | A | 0.05 | 5.19  | 7.20   | 0.001  | 6.06 |
| SoilWater | B | 11/22/2013 | F | C | 1 | 24 | A | 0.05 | 3.87  | 3.98   | 0.001  | 6.14 |
| SoilWater | B | 11/22/2013 | F | C | 3 | 12 | A | 0.05 | 25.85 | 27.74  | 0.001  | 6.01 |
| SoilWater | B | 11/22/2013 | F | C | 5 | 12 | A | 0.05 | 39.92 | 56.57  | 0.074  | 6.13 |
| SoilWater | B | 11/22/2013 | F | T | 3 | 12 | S | 0.05 | 56.75 | 136.39 | 0.159  | 6.37 |
| SoilWater | B | 11/22/2013 | F | T | 3 | 36 | S | 0.33 | 8.35  | 12.36  | 0.001  | 5.97 |
| SoilWater | B | 11/22/2013 | F | T | 4 | 12 | S | 0.05 | 62.38 | 123.35 | 0.001  | 5.78 |
| SoilWater | B | 11/22/2013 | F | T | 4 | 24 | S | 0.05 | 64.64 | 101.88 | 0.001  | 5.78 |
| SoilWater | B | 11/22/2013 | F | T | 5 | 12 | S | 0.05 | 8.50  | 21.02  | 0.001  | 6.39 |
| SoilWater | B | 11/22/2013 | F | T | 6 | 12 | S | 0.05 | 10.73 | 14.83  | 0.001  | 6.24 |
| SoilWater | B | 11/22/2013 | F | T | 6 | 24 | S | 0.05 | 42.03 | 64.37  | 0.001  | 6.07 |
| SoilWater | B | 12/18/2013 | F | C | 1 | 12 | A | 0.05 | 4.80  | 4.95   | 0.809  | 6.79 |
| SoilWater | B | 12/18/2013 | F | C | 3 | 12 | A | 0.05 | 10.60 | 18.60  | 0.908  | 7.60 |
| SoilWater | B | 12/18/2013 | F | C | 5 | 12 | A | 0.05 |       | 30.80  | 0.783  | 6.81 |
| SoilWater | B | 12/18/2013 | F | T | 3 | 12 | S | 0.12 |       | 75.80  | 0.276  | 7.29 |
| SoilWater | B | 12/18/2013 | F | T | 3 | 36 | S | 0.31 | 3.80  | 8.64   | 0.131  | 5.92 |
| SoilWater | B | 12/18/2013 | F | T | 4 | 12 | S | 0.05 | 44.20 | 89.00  | 0.103  | 6.74 |
| SoilWater | B | 12/18/2013 | F | T | 5 | 12 | S | 0.05 | 6.40  | 7.29   | 0.043  | 7.25 |
| SoilWater | B | 12/18/2013 | F | T | 6 | 12 | S | 0.05 | 6.70  | 11.20  | 0.679  | 7.30 |
| SoilWater | B | 1/6/2014   | W | C | 1 | 12 | A | 0.17 | 6.77  | 7.68   | 0.137  | 6.01 |

|           |   |           |    |   |   |    |   |      |        |       |       |      |
|-----------|---|-----------|----|---|---|----|---|------|--------|-------|-------|------|
| SoilWater | B | 1/6/2014  | W  | C | 3 | 12 | A | 0.25 | 18.10  | 17.63 | 0.161 | 6.02 |
| SoilWater | B | 1/6/2014  | W  | T | 3 | 12 | S | 0.05 | 48.20  | 44.38 | 0.199 | 6.01 |
| SoilWater | B | 1/6/2014  | W  | T | 4 | 12 | S | 0.05 | 18.60  | 17.30 | 0.109 | 6.39 |
| SoilWater | B | 1/6/2014  | W  | T | 5 | 12 | S | 0.05 | 71.20  | 61.75 | 0.156 | 6.07 |
| SoilWater | B | 1/6/2014  | W  | T | 5 | 24 | S | 0.06 | 110.00 | 94.45 | 0.138 | 5.84 |
| SoilWater | B | 1/6/2014  | W  | T | 6 | 12 | S | 0.10 | 12.40  | 14.84 | 0.134 | 6.15 |
| SoilWater | B | 1/6/2014  | W  | T | 6 | 24 | S | 0.23 | 17.60  | 21.61 | 0.119 | 6.37 |
| SoilWater | B | 2/13/2014 | W  | C | 1 | 12 | A | 0.05 | 6.70   | 5.98  | 0.148 | 7.02 |
| SoilWater | B | 2/13/2014 | W  | C | 3 | 12 | A | 0.05 |        | 6.28  | 0.150 | 7.68 |
| SoilWater | B | 2/13/2014 | W  | T | 4 | 12 | S | 0.22 | 81.00  | 90.30 | 0.159 | 6.65 |
| SoilWater | B | 2/13/2014 | W  | T | 6 | 12 | S | 0.05 | 8.73   | 8.64  | 0.567 | 6.86 |
| SoilWater | B | 3/4/2014  | W  | C | 1 | 12 | A | 0.05 | 5.13   | 9.74  | 0.071 | 5.93 |
| SoilWater | B | 3/4/2014  | W  | C | 3 | 12 | A | 0.05 | 25.96  | 30.27 | 0.050 | 6.09 |
| SoilWater | B | 3/4/2014  | W  | T | 3 | 12 | S | 0.05 |        | 32.32 | 0.622 | 6.47 |
| SoilWater | B | 3/4/2014  | W  | T | 4 | 12 | S | 0.05 | 52.40  | 54.17 | 0.114 | 6.26 |
| SoilWater | B | 3/4/2014  | W  | T | 4 | 24 | S | 0.05 | 50.43  | 52.27 | 0.270 | 6.18 |
| SoilWater | B | 3/4/2014  | W  | T | 5 | 12 | S | 0.05 | 28.71  | 31.77 | 0.070 | 6.35 |
| SoilWater | B | 3/4/2014  | W  | T | 6 | 12 | S | 0.05 | 29.32  | 32.49 | 0.033 | 6.01 |
| SoilWater | B | 3/4/2014  | W  | T | 6 | 24 | S | 0.05 | 7.86   | 16.20 | 0.026 | 6.12 |
| SoilWater | B | 4/2/2014  | SP | C | 1 | 12 | A | 0.05 | 3.44   | 4.76  | 0.157 | 7.51 |
| SoilWater | B | 4/2/2014  | SP | T | 3 | 12 | S | 0.14 | 12.30  | 10.12 | 0.477 | 8.08 |
| SoilWater | B | 4/2/2014  | SP | T | 4 | 12 | S | 0.05 | 26.41  | 16.28 | 0.292 | 7.93 |
| SoilWater | B | 4/2/2014  | SP | T | 5 | 12 | S | 0.05 |        | 17.93 | 0.236 | 8.09 |
| SoilWater | B | 4/23/2014 | SP | C | 1 | 12 | A |      |        | 1.54  | 0.625 | 7.75 |
| SoilWater | B | 4/23/2014 | SP | C | 3 | 12 | A | 0.05 |        | 32.36 | 0.361 | 8.09 |
| SoilWater | B | 4/23/2014 | SP | T | 4 | 12 | S |      |        | 25.66 | 0.590 | 7.13 |
| SoilWater | B | 4/23/2014 | SP | T | 5 | 12 | S |      |        | 8.22  | 1.209 | 8.01 |
| SoilWater | B | 5/16/2014 | SP | T | 5 | 12 | S | 0.05 | 3.87   | 3.66  | 3.846 | 7.27 |
| SoilWater | B | 6/3/2014  | SP | T | 2 | 12 | S | 0.05 | 3.23   | 1.78  | 0.183 | 6.73 |
| SoilWater | B | 6/3/2014  | SP | T | 3 | 12 | S | 0.05 |        | 8.42  | 0.327 | 7.06 |

|           |   |            |    |   |   |    |   |      |        |        |       |      |
|-----------|---|------------|----|---|---|----|---|------|--------|--------|-------|------|
| SoilWater | B | 6/3/2014   | SP | T | 4 | 12 | S | 0.05 | 19.77  | 19.23  | 0.133 | 6.14 |
| SoilWater | B | 6/3/2014   | SP | T | 6 | 24 | S | 0.05 |        | 0.90   | 0.442 | 7.29 |
| SoilWater | B | 7/10/2014  | S  | C | 3 | 12 | A | 0.05 | 6.57   | 4.95   | 0.437 | 7.37 |
| SoilWater | B | 7/10/2014  | S  | T | 4 | 12 | S | 0.05 | 9.29   | 8.25   | 0.405 | 7.91 |
| SoilWater | B | 7/10/2014  | S  | T | 5 | 12 | S | 0.05 | 2.04   | 0.49   | 0.199 | 7.17 |
| SoilWater | B | 7/25/2014  | S  | C | 1 | 12 | A | 0.05 | 8.65   | 7.04   | 0.475 | 5.94 |
| SoilWater | B | 7/25/2014  | S  | C | 1 | 24 | A | 0.05 | 1.66   | 1.67   | 0.187 | 6.17 |
| SoilWater | B | 7/25/2014  | S  | C | 3 | 12 | A | 0.05 | 8.47   | 6.76   | 0.270 | 6.39 |
| SoilWater | B | 7/25/2014  | S  | C | 4 | 12 | A | 0.27 | 5.71   | 3.11   | 0.426 | 6.50 |
| SoilWater | B | 7/25/2014  | S  | C | 5 | 12 | A | 0.05 | 6.68   | 3.66   | 0.466 | 6.05 |
| SoilWater | B | 7/25/2014  | S  | C | 5 | 24 | A | 0.05 | 26.85  | 24.59  | 0.831 | 5.66 |
| SoilWater | B | 7/25/2014  | S  | T | 3 | 12 | S | 0.05 | 64.30  | 60.80  | 0.363 | 5.76 |
| SoilWater | B | 7/25/2014  | S  | T | 6 | 12 | S | 0.05 | 4.54   | 2.85   | 0.342 | 6.45 |
| SoilWater | B | 8/18/2014  | S  | C | 3 | 12 | A | 0.05 | 19.76  | 5.67   | 0.873 | 6.56 |
| SoilWater | B | 8/18/2014  | S  | C | 5 | 12 | A | 0.05 | 31.17  | 20.53  | 0.444 | 5.67 |
| SoilWater | B | 8/18/2014  | S  | T | 5 | 12 | S | 0.05 | 12.08  | 0.76   | 1.153 | 7.09 |
| SoilWater | B | 8/18/2014  | S  | T | 6 | 12 | S | 0.05 | 3.47   | 2.15   | 0.533 | 7.25 |
| SoilWater | B | 9/4/2014   | S  | C | 1 | 12 | A | 0.05 | 15.80  | 14.97  | 0.763 | 6.14 |
| SoilWater | B | 9/4/2014   | S  | C | 1 | 24 | A | 0.05 | 4.46   | 3.04   | 0.604 | 6.69 |
| SoilWater | B | 9/4/2014   | S  | C | 2 | 12 | A | 0.05 | 29.85  | 30.09  | 0.235 | 6.15 |
| SoilWater | B | 9/4/2014   | S  | C | 5 | 12 | A | 0.05 | 75.50  | 63.74  | 0.449 | 5.88 |
| SoilWater | B | 9/4/2014   | S  | C | 5 | 24 | A | 0.05 | 130.86 | 135.44 | 0.348 | 5.97 |
| SoilWater | B | 9/4/2014   | S  | T | 3 | 12 | S | 0.05 | 105.22 | 106.17 | 0.179 | 5.83 |
| SoilWater | B | 10/23/2014 | F  | C | 1 | 12 | A | 0.26 | 63.69  | 59.15  | 0.897 | 6.04 |
| SoilWater | B | 10/23/2014 | F  | T | 3 | 12 | S | 0.13 | 117.77 | 111.37 | 0.391 | 5.82 |
| SoilWater | B | 10/23/2014 | F  | T | 4 | 12 | S | 0.13 | 89.09  | 74.56  | 0.409 | 6.58 |
| SoilWater | B | 10/23/2014 | F  | T | 5 | 12 | S | 0.28 | 70.47  | 54.81  | 1.198 | 6.72 |
| SoilWater | B | 10/31/2014 | F  | C | 1 | 12 | A | 0.56 | 73.73  | 72.99  | 1.043 | 6.73 |
| SoilWater | B | 10/31/2014 | F  | T | 4 | 12 | S | 0.05 | 83.56  | 91.31  | 0.846 | 6.84 |
| SoilWater | B | 10/31/2014 | F  | T | 5 | 12 | S | 0.05 | 87.59  | 66.04  | 0.677 | 6.70 |

|           |   |            |   |   |   |    |   |      |        |        |       |      |
|-----------|---|------------|---|---|---|----|---|------|--------|--------|-------|------|
| SoilWater | B | 11/6/2014  | F | C | 1 | 12 | A | 0.05 | 55.05  | 52.85  | 0.293 | 5.83 |
| SoilWater | B | 11/6/2014  | F | T | 3 | 12 | S | 0.05 | 171.16 | 127.44 | 0.252 | 5.65 |
| SoilWater | B | 11/6/2014  | F | T | 4 | 12 | S | 0.05 | 131.05 | 83.01  | 0.339 | 5.87 |
| SoilWater | B | 11/6/2014  | F | T | 5 | 12 | S | 0.05 | 89.43  | 50.91  | 0.329 | 6.31 |
| SoilWater | B | 11/6/2014  | F | T | 5 | 24 | S | 0.05 | 67.99  | 50.39  | 0.937 | 6.27 |
| SoilWater | B | 11/26/2014 | F | C | 1 | 12 | A | 0.05 | 23.98  | 23.79  | 0.458 | 6.14 |
| SoilWater | B | 11/26/2014 | F | C | 1 | 24 | A | 0.05 | 121.02 | 113.84 | 0.459 | 6.17 |
| SoilWater | B | 11/26/2014 | F | C | 3 | 12 | A | 0.05 | 23.74  | 36.27  | 0.473 | 6.21 |
| SoilWater | B | 11/26/2014 | F | C | 4 | 12 | A | 0.05 | 34.15  | 32.44  | 0.898 | 6.78 |
| SoilWater | B | 11/26/2014 | F | T | 3 | 12 | S | 0.05 | 54.62  | 49.77  | 0.169 | 6.01 |
| SoilWater | B | 11/26/2014 | F | T | 3 | 24 | S | 0.05 | 60.53  | 59.53  | 0.456 | 6.13 |
| SoilWater | B | 11/26/2014 | F | T | 4 | 12 | S | 0.05 | 87.94  | 76.44  | 0.171 | 6.35 |
| SoilWater | B | 11/26/2014 | F | T | 5 | 12 | S | 0.05 | 53.22  | 47.75  | 0.208 | 6.10 |
| SoilWater | B | 11/26/2014 | F | T | 6 | 12 | S | 0.05 | 76.96  | 73.57  | 0.215 | 6.09 |
| SoilWater | B | 11/26/2014 | F | T | 6 | 24 | S | 0.05 | 70.97  | 73.49  | 0.393 | 6.08 |
| SoilWater | B | 12/3/2014  | F | C | 3 | 12 | A | 0.05 | 43.26  | 34.36  | 0.554 | 7.11 |
| SoilWater | B | 12/3/2014  | F | T | 3 | 12 | S | 0.06 | 92.48  | 68.17  | 0.256 | 6.42 |
| SoilWater | B | 12/3/2014  | F | T | 4 | 12 | S | 0.05 | 64.10  | 46.90  | 0.415 | 7.02 |
| SoilWater | B | 12/3/2014  | F | T | 4 | 24 | S | 0.05 | 62.86  | 52.69  | 0.166 | 6.32 |
| SoilWater | B | 12/15/2014 | F | C | 1 | 12 | A | 0.05 | 34.01  | 30.61  | 0.235 | 6.60 |
| SoilWater | B | 12/15/2014 | F | C | 3 | 12 | A | 0.05 | 33.39  | 27.91  | 0.332 | 6.73 |
| SoilWater | B | 12/15/2014 | F | T | 3 | 12 | S | 0.05 | 58.53  | 52.69  | 0.203 | 6.42 |
| SoilWater | B | 12/15/2014 | F | T | 4 | 12 | S | 0.05 | 81.00  | 58.87  | 0.386 | 6.90 |
| SoilWater | B | 12/15/2014 | F | T | 4 | 24 | S | 0.05 | 69.45  | 51.32  | 0.196 | 6.81 |
| SoilWater | B | 12/15/2014 | F | T | 5 | 12 | S | 0.05 | 72.66  | 59.28  | 0.212 | 7.08 |
| SoilWater | B | 12/15/2014 | F | T | 6 | 12 | S | 0.05 | 79.04  | 68.39  | 0.456 | 7.22 |
| SoilWater | B | 12/31/2014 | F | C | 1 | 12 | A | 0.05 | 33.67  | 27.05  | 0.302 | 6.03 |
| SoilWater | B | 12/31/2014 | F | C | 1 | 24 | A | 0.05 | 131.90 | 96.82  | 0.428 | 6.64 |
| SoilWater | B | 12/31/2014 | F | C | 3 | 12 | A | 0.05 | 29.52  | 20.69  | 0.298 | 6.02 |
| SoilWater | B | 12/31/2014 | F | C | 4 | 12 | A | 0.05 | 25.50  | 18.98  | 0.898 | 6.89 |

|           |   |            |   |   |   |    |   |      |       |       |       |      |
|-----------|---|------------|---|---|---|----|---|------|-------|-------|-------|------|
| SoilWater | B | 12/31/2014 | F | T | 3 | 12 | S | 0.05 | 27.84 | 22.37 | 0.291 | 5.88 |
| SoilWater | B | 12/31/2014 | F | T | 4 | 12 | S | 0.05 | 45.37 | 39.16 | 0.325 | 5.90 |
| SoilWater | B | 12/31/2014 | F | T | 4 | 24 | S | 0.05 | 70.03 | 69.21 | 0.578 | 6.30 |
| SoilWater | B | 12/31/2014 | F | T | 5 | 12 | S | 0.05 | 48.32 | 33.68 | 0.351 | 6.36 |
| SoilWater | B | 12/31/2014 | F | T | 6 | 12 | S | 0.05 | 91.28 | 93.59 | 0.333 | 6.36 |
| SoilWater | B | 1/8/2015   | W | C | 1 | 12 | A | 0.05 | 19.93 | 15.22 | 0.310 | 6.48 |
| SoilWater | B | 1/8/2015   | W | C | 1 | 24 | A | 0.05 | 50.48 | 51.99 | 0.177 | 6.43 |
| SoilWater | B | 1/8/2015   | W | C | 4 | 12 | A | 0.05 | 16.36 | 13.67 | 0.205 | 6.57 |
| SoilWater | B | 1/8/2015   | W | C | 5 | 12 | A | 0.05 | 33.49 | 26.98 | 0.263 | 6.49 |
| SoilWater | B | 1/8/2015   | W | T | 3 | 12 | S | 0.05 | 17.33 | 11.83 | 0.213 | 6.41 |
| SoilWater | B | 1/8/2015   | W | T | 4 | 12 | S | 0.05 | 25.27 | 21.39 | 0.205 | 6.47 |
| SoilWater | B | 1/8/2015   | W | T | 5 | 12 | S | 0.05 | 28.14 | 16.96 | 0.175 | 6.79 |
| SoilWater | B | 1/8/2015   | W | T | 6 | 12 | S | 0.05 | 39.42 | 26.01 | 0.179 | 6.55 |
| SoilWater | B | 1/8/2015   | W | T | 6 | 24 | S | 0.05 | 47.29 | 29.96 | 0.343 | 7.25 |
| SoilWater | B | 1/22/2015  | W | C | 1 | 12 | A | 0.08 | 24.23 | 11.42 | 0.432 | 7.38 |
| SoilWater | B | 1/22/2015  | W | T | 3 | 12 | S | 0.06 | 24.31 | 9.67  | 0.169 | 6.33 |
| SoilWater | B | 1/22/2015  | W | T | 3 | 24 | S | 0.16 | 78.44 | 48.26 | 0.048 | 6.22 |
| SoilWater | B | 1/22/2015  | W | T | 4 | 24 | S | 0.14 | 34.46 | 39.40 | 0.203 | 6.19 |
| SoilWater | B | 1/22/2015  | W | T | 6 | 24 | S | 0.15 | 23.31 | 21.25 | 0.054 | 6.41 |
| SoilWater | B | 2/6/2015   | W | C | 1 | 12 | A | 0.05 | 13.75 | 23.12 | 0.256 | 6.03 |
| SoilWater | B | 2/6/2015   | W | C | 3 | 12 | A | 0.05 | 23.10 | 17.80 | 0.259 | 6.10 |
| SoilWater | B | 2/6/2015   | W | C | 5 | 12 | A | 0.05 | 21.12 | 17.95 | 0.558 | 6.49 |
| SoilWater | B | 2/6/2015   | W | T | 3 | 12 | S | 0.05 | 13.33 | 10.08 | 0.203 | 5.90 |
| SoilWater | B | 2/6/2015   | W | T | 4 | 12 | S | 0.05 | 21.44 | 17.28 | 0.196 | 5.95 |
| SoilWater | B | 2/6/2015   | W | T | 5 | 12 | S | 0.05 | 24.78 | 14.44 | 1.977 | 6.40 |
| SoilWater | B | 2/12/2015  | W | C | 1 | 12 | A | 0.05 | 19.99 | 19.24 | 0.410 | 6.09 |
| SoilWater | B | 2/12/2015  | W | C | 3 | 12 | A | 0.05 | 26.00 | 23.92 | 0.368 | 6.24 |
| SoilWater | B | 2/12/2015  | W | C | 5 | 12 | A | 0.05 | 23.77 | 20.90 | 0.615 | 6.27 |
| SoilWater | B | 2/12/2015  | W | T | 3 | 12 | S | 0.05 | 13.00 | 12.19 | 0.318 | 6.19 |
| SoilWater | B | 2/12/2015  | W | T | 4 | 12 | S | 0.05 | 20.66 | 19.76 | 0.290 | 6.18 |

|               |             |             |               |             |            |              |            |            |           |            |           |           |
|---------------|-------------|-------------|---------------|-------------|------------|--------------|------------|------------|-----------|------------|-----------|-----------|
| SoilWater     | B           | 2/12/2015   | W             | T           | 5          | 12           | S          | 0.05       | 37.38     | 38.95      | 0.311     | 6.65      |
| SoilWater     | B           | 2/24/2015   | W             | C           | 3          | 12           | A          | 0.38       |           | 24.13      | 0.404     | 6.85      |
| SoilWater     | B           | 2/24/2015   | W             | C           | 4          | 12           | A          | 0.17       |           | 4.86       | 0.611     | 7.10      |
| SoilWater     | B           | 2/24/2015   | W             | T           | 3          | 12           | S          | 0.10       |           | 14.62      | 0.739     | 6.96      |
| SoilWater     | B           | 2/24/2015   | W             | T           | 4          | 12           | S          | 0.25       |           | 12.44      | 0.284     | 6.95      |
| SoilWater     | B           | 3/2/2015    | W             | C           | 3          | 12           | A          | 0.05       |           | 19.59      | 0.123     | 6.83      |
| SoilWater     | B           | 3/2/2015    | W             | C           | 4          | 12           | A          | 0.05       |           | 6.13       | 11.100    | 6.96      |
| SoilWater     | B           | 3/2/2015    | W             | T           | 3          | 12           | S          | 0.33       |           | 12.51      | 1.596     | 6.96      |
| SoilWater     | B           | 3/2/2015    | W             | T           | 6          | 12           | S          | 0.22       |           | 9.58       | 0.882     | 7.36      |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Plot</b> | <b>Loc</b> | <b>Depth</b> | <b>Trt</b> | <b>NH3</b> | <b>TN</b> | <b>NO3</b> | <b>P1</b> | <b>pH</b> |
| SoilWater     | C           | 10/29/2012  | F             | T           | 3          | 12           | A          | 0.71       | 64.90     | 26.00      |           |           |
| SoilWater     | C           | 10/29/2012  | F             | C           | 1          | 12           | S          | 1.55       | 156.00    | 21.40      |           |           |
| SoilWater     | C           | 11/14/2012  | F             | T           | 1          | 12           | A          | 0.05       | 37.20     | 13.70      | 13.400    | 6.97      |
| SoilWater     | C           | 11/14/2012  | F             | T           | 3          | 12           | A          | 0.05       | 109.20    | 27.10      | 2.970     | 6.24      |
| SoilWater     | C           | 11/14/2012  | F             | C           | 1          | 12           | S          | 0.05       | 50.90     | 18.90      | 2.000     | 6.07      |
| SoilWater     | C           | 11/14/2012  | F             | C           | 2          | 12           | S          | 1.00       |           | 21.70      | 14.100    | 7.30      |
| SoilWater     | C           | 11/28/2012  | F             | T           | 1          | 12           | A          | 0.46       | 18.00     | 16.40      | 1.670     | 6.08      |
| SoilWater     | C           | 11/28/2012  | F             | T           | 6          | 12           | A          | 0.05       | 12.60     | 11.50      | 1.180     | 6.45      |
| SoilWater     | C           | 11/28/2012  | F             | C           | 1          | 12           | S          | 0.05       | 11.00     | 9.35       | 0.970     | 6.06      |
| SoilWater     | C           | 11/28/2012  | F             | C           | 1          | 24           | S          | 0.05       | 1.72      | 0.71       | 0.980     | 5.92      |
| SoilWater     | C           | 11/28/2012  | F             | C           | 2          | 12           | S          | 0.05       | 8.29      | 8.94       | 1.320     | 6.01      |
| SoilWater     | C           | 11/28/2012  | F             | C           | 4          | 12           | S          | 0.05       | 7.23      | 8.08       | 0.740     | 6.23      |
| SoilWater     | C           | 1/4/2013    | W             | T           | 1          | 12           | A          | 0.05       | 27.50     | 23.71      | 17.250    | 6.91      |
| SoilWater     | C           | 1/4/2013    | W             | T           | 5          | 12           | A          |            |           | 12.23      |           |           |
| SoilWater     | C           | 1/4/2013    | W             | T           | 6          | 12           | A          | 0.05       |           | 10.07      |           |           |
| SoilWater     | C           | 1/4/2013    | W             | C           | 1          | 12           | S          | 0.05       | 22.70     | 14.16      | 2.390     | 6.64      |
| SoilWater     | C           | 1/10/2013   | W             | T           | 1          | 12           | A          | 0.05       | 5.11      | 7.04       | 1.080     | 6.14      |
| SoilWater     | C           | 1/10/2013   | W             | T           | 1          | 24           | A          | 0.05       | 3.62      | 3.38       | 0.460     | 6.11      |
| SoilWater     | C           | 1/10/2013   | W             | T           | 2          | 12           | A          | 0.05       | 7.18      | 6.50       | 1.280     | 6.43      |
| SoilWater     | C           | 1/10/2013   | W             | T           | 3          | 12           | A          | 0.12       | 5.50      | 3.55       | 1.880     | 6.20      |

|           |   |           |    |   |   |    |   |      |       |       |        |      |
|-----------|---|-----------|----|---|---|----|---|------|-------|-------|--------|------|
| SoilWater | C | 1/10/2013 | W  | T | 4 | 12 | A | 0.19 | 7.60  | 8.56  | 2.220  | 7.15 |
| SoilWater | C | 1/10/2013 | W  | T | 5 | 12 | A | 0.05 | 4.48  | 7.45  | 1.370  | 6.20 |
| SoilWater | C | 1/10/2013 | W  | T | 5 | 24 | A | 0.05 | 7.27  | 9.78  | 0.830  | 6.05 |
| SoilWater | C | 1/10/2013 | W  | C | 1 | 12 | S | 0.05 | 6.46  | 6.75  | 1.260  | 6.25 |
| SoilWater | C | 1/10/2013 | W  | C | 2 | 12 | S | 0.05 | 4.22  | 2.73  | 2.410  | 6.08 |
| SoilWater | C | 1/10/2013 | W  | C | 3 | 12 | S | 0.05 | 13.10 | 19.20 | 0.280  | 6.31 |
| SoilWater | C | 1/10/2013 | W  | C | 3 | 24 | S | 0.05 | 5.04  | 3.94  | 1.170  | 5.95 |
| SoilWater | C | 1/10/2013 | W  | C | 4 | 12 | S | 0.05 | 7.69  | 5.42  | 1.100  | 6.15 |
| SoilWater | C | 1/10/2013 | W  | C | 5 | 12 | S | 0.05 | 8.33  | 5.04  | 1.280  | 6.76 |
| SoilWater | C | 1/10/2013 | W  | C | 6 | 12 | S | 0.05 | 16.60 | 15.70 | 1.240  | 6.33 |
| SoilWater | C | 1/10/2013 | W  | C | 6 | 24 | S | 0.05 | 2.96  | 2.48  | 0.820  | 6.03 |
| SoilWater | C | 2/4/2013  | W  | C | 5 | 12 | S | 0.05 | 8.73  | 4.72  | 4.200  | 6.93 |
| SoilWater | C | 3/11/2013 | W  | T | 1 | 12 | A | 0.97 | 2.07  | 20.90 | 2.440  | 5.98 |
| SoilWater | C | 3/11/2013 | W  | T | 1 | 24 | A | 0.19 | 16.80 | 19.80 | 0.950  | 5.91 |
| SoilWater | C | 3/11/2013 | W  | T | 2 | 12 | A | 0.05 | 4.33  | 38.90 | 2.810  | 6.25 |
| SoilWater | C | 3/11/2013 | W  | T | 2 | 24 | A | 1.30 | 0.71  | 0.46  | 18.620 | 7.37 |
| SoilWater | C | 3/11/2013 | W  | T | 2 | 36 | A | 0.34 | 6.98  | 13.40 | 7.080  | 6.40 |
| SoilWater | C | 3/11/2013 | W  | T | 3 | 12 | A | 0.05 | 32.70 | 28.60 | 1.730  | 6.01 |
| SoilWater | C | 3/11/2013 | W  | T | 4 | 12 | A | 0.05 |       | 9.71  |        | 6.90 |
| SoilWater | C | 3/11/2013 | W  | T | 5 | 12 | A | 0.12 | 50.60 | 24.00 | 6.300  | 6.32 |
| SoilWater | C | 3/11/2013 | W  | T | 5 | 24 | A | 0.05 |       | 10.30 |        | 6.36 |
| SoilWater | C | 3/11/2013 | W  | T | 6 | 12 | A | 0.05 | 10.50 | 6.62  | 1.130  | 6.28 |
| SoilWater | C | 3/11/2013 | W  | C | 1 | 12 | S | 0.10 | 8.65  | 6.22  | 1.940  | 6.11 |
| SoilWater | C | 3/11/2013 | W  | C | 1 | 24 | S | 0.05 | 3.53  | 0.68  | 2.340  | 6.16 |
| SoilWater | C | 3/11/2013 | W  | C | 2 | 12 | S | 0.05 | 4.16  | 0.94  | 3.410  | 5.99 |
| SoilWater | C | 3/11/2013 | W  | C | 2 | 24 | S | 0.05 |       | 2.34  |        | 6.77 |
| SoilWater | C | 3/11/2013 | W  | C | 4 | 12 | S | 0.05 | 9.49  | 6.68  | 1.670  | 6.36 |
| SoilWater | C | 3/11/2013 | W  | C | 5 | 12 | S | 0.05 | 5.18  | 2.39  | 1.300  | 6.35 |
| SoilWater | C | 3/11/2013 | W  | C | 6 | 12 | S | 0.05 | 15.90 | 18.90 | 10.480 | 6.33 |
| SoilWater | C | 5/2/2013  | SP | T | 1 | 12 | A | 0.50 | 17.00 | 16.00 | 2.560  | 6.47 |

|           |   |           |    |   |   |    |   |      |       |        |        |      |
|-----------|---|-----------|----|---|---|----|---|------|-------|--------|--------|------|
| SoilWater | C | 5/2/2013  | SP | T | 1 | 24 | A | 0.28 |       | 17.40  |        |      |
| SoilWater | C | 5/2/2013  | SP | C | 1 | 24 | S | 0.05 | 4.17  | 0.95   | 4.790  | 7.23 |
| SoilWater | C | 5/2/2013  | SP | C | 2 | 12 | S | 0.05 | 6.02  | 1.29   | 8.160  | 6.38 |
| SoilWater | C | 5/2/2013  | SP | C | 4 | 12 | S | 0.78 |       | 2.61   |        | 7.16 |
| SoilWater | C | 5/2/2013  | SP | C | 5 | 12 | S | 0.05 | 7.86  | 3.99   | 11.070 | 6.86 |
| SoilWater | C | 5/23/2013 | SP | T | 1 | 12 | A | 0.37 | 14.60 | 12.60  | 1.110  | 5.76 |
| SoilWater | C | 5/23/2013 | SP | T | 3 | 12 | A | 0.05 | 6.65  | 5.38   | 5.580  | 6.02 |
| SoilWater | C | 5/23/2013 | SP | T | 4 | 12 | A | 0.05 |       | 8.99   | 10.700 |      |
| SoilWater | C | 5/23/2013 | SP | T | 5 | 12 | A | 1.23 |       | 38.80  | 7.110  | 6.89 |
| SoilWater | C | 5/23/2013 | SP | T | 5 | 24 | A | 0.33 |       | 18.00  |        |      |
| SoilWater | C | 5/23/2013 | SP | T | 6 | 12 | A | 0.08 |       | 7.05   |        |      |
| SoilWater | C | 5/23/2013 | SP | C | 1 | 24 | S | 0.24 |       | 1.30   | 11.000 | 6.82 |
| SoilWater | C | 5/23/2013 | SP | C | 2 | 12 | S | 0.05 |       | 2.17   | 27.600 | 7.32 |
| SoilWater | C | 5/23/2013 | SP | C | 5 | 12 | S | 0.16 |       | 2.84   | 26.300 | 7.07 |
| SoilWater | C | 5/23/2013 | SP | C | 6 | 12 | S | 0.05 | 82.10 | 121.00 | 2.610  | 5.97 |
| SoilWater | C | 6/26/2013 | SP | C | 1 | 12 | S | 0.05 | 5.09  | 4.43   | 0.587  | 5.80 |
| SoilWater | C | 6/26/2013 | SP | C | 2 | 12 | S | 0.05 | 10.30 | 8.77   | 8.440  | 6.32 |
| SoilWater | C | 6/26/2013 | SP | C | 5 | 12 | S | 0.05 | 5.56  | 4.22   | 2.070  | 6.41 |
| SoilWater | C | 6/26/2013 | SP | C | 6 | 12 | S | 0.05 | 76.40 | 66.40  | 0.982  | 5.55 |
| SoilWater | C | 6/26/2013 | SP | C | 6 | 24 | S | 0.05 |       | 85.80  | 1.580  | 6.71 |
| SoilWater | C | 6/27/2013 | SP | T | 2 | 12 | A |      |       | 20.70  |        |      |
| SoilWater | C | 6/27/2013 | SP | T | 5 | 12 | A | 2.22 |       | 3.07   | 1.570  | 7.26 |
| SoilWater | C | 8/5/2013  | S  | T | 1 | 12 | A | 3.68 | 6.20  | 4.35   | 3.040  | 6.87 |
| SoilWater | C | 8/5/2013  | S  | T | 1 | 24 | A | 3.25 |       | 16.20  | 7.570  |      |
| SoilWater | C | 8/5/2013  | S  | T | 2 | 12 | A | 1.19 |       | 6.60   | 2.290  |      |
| SoilWater | C | 8/5/2013  | S  | T | 3 | 12 | A | 0.80 |       | 3.78   | 1.830  | 5.80 |
| SoilWater | C | 8/5/2013  | S  | T | 4 | 24 | A | 1.44 |       | 1.60   |        |      |
| SoilWater | C | 8/5/2013  | S  | T | 5 | 12 | A | 2.07 |       | 1.87   | 2.510  | 6.78 |
| SoilWater | C | 8/5/2013  | S  | T | 6 | 12 | A | 1.29 |       | 1.13   |        |      |
| SoilWater | C | 8/5/2013  | S  | C | 1 | 12 | S | 0.54 | 6.37  | 7.30   | 1.140  | 6.40 |

|           |   |           |   |   |   |    |   |      |        |        |        |      |
|-----------|---|-----------|---|---|---|----|---|------|--------|--------|--------|------|
| SoilWater | C | 8/5/2013  | S | C | 4 | 12 | S | 1.99 |        | 8.38   | 0.010  | 6.07 |
| SoilWater | C | 8/5/2013  | S | C | 5 | 12 | S | 0.05 | 4.95   | 2.93   | 0.010  | 6.75 |
| SoilWater | C | 8/5/2013  | S | C | 6 | 12 | S | 2.44 |        | 51.20  | 0.063  | 6.81 |
| SoilWater | C | 8/30/2013 | S | T | 1 | 12 | A | 0.05 |        | 3.54   | 0.580  | 6.23 |
| SoilWater | C | 8/30/2013 | S | T | 1 | 24 | A |      |        | 16.60  | 1.400  | 6.58 |
| SoilWater | C | 8/30/2013 | S | T | 2 | 12 | A |      |        | 4.61   | 1.550  | 6.52 |
| SoilWater | C | 8/30/2013 | S | T | 3 | 12 | A | 3.55 |        | 6.55   | 1.260  |      |
| SoilWater | C | 8/30/2013 | S | T | 4 | 12 | A | 0.05 |        | 5.02   | 0.660  |      |
| SoilWater | C | 8/30/2013 | S | T | 5 | 12 | A |      |        | 1.51   | 0.800  |      |
| SoilWater | C | 8/30/2013 | S | T | 5 | 24 | A |      |        | 8.60   | 0.670  |      |
| SoilWater | C | 8/30/2013 | S | C | 1 | 12 | S |      |        | 1.13   | 43.200 | 6.82 |
| SoilWater | C | 8/30/2013 | S | C | 1 | 24 | S | 0.63 |        | 3.59   | 0.680  | 6.21 |
| SoilWater | C | 8/30/2013 | S | C | 2 | 12 | S | 0.05 | 5.62   | 4.25   | 0.340  | 5.83 |
| SoilWater | C | 8/30/2013 | S | C | 2 | 24 | S |      |        | 7.76   | 1.240  | 7.06 |
| SoilWater | C | 8/30/2013 | S | C | 2 | 36 | S | 0.05 | 10.90  | 7.60   | 0.130  | 6.43 |
| SoilWater | C | 8/30/2013 | S | C | 5 | 12 | S | 0.05 |        | 1.50   | 0.450  | 7.12 |
| SoilWater | C | 8/30/2013 | S | C | 6 | 12 | S |      |        | 2.69   | 1.980  | 7.11 |
| SoilWater | C | 9/12/2013 | S | T | 1 | 12 | A |      |        | 4.70   | 0.985  | 6.83 |
| SoilWater | C | 9/12/2013 | S | T | 2 | 24 | A | 0.05 | 1.23   | 1.06   | 0.320  | 5.95 |
| SoilWater | C | 9/12/2013 | S | T | 3 | 36 | A |      |        | 2.33   | 4.010  | 8.67 |
| SoilWater | C | 9/12/2013 | S | T | 4 | 12 | A |      |        | 4.51   | 0.966  |      |
| SoilWater | C | 9/12/2013 | S | C | 1 | 24 | S | 0.25 |        | 2.55   | 1.040  | 6.62 |
| SoilWater | C | 9/12/2013 | S | C | 2 | 12 | S |      |        | 1.78   | 0.947  | 7.08 |
| SoilWater | C | 9/12/2013 | S | C | 2 | 36 | S | 0.05 |        | 10.90  | 0.767  | 7.56 |
| SoilWater | C | 9/12/2013 | S | C | 3 | 12 | S |      |        | 2.94   | 0.537  | 7.44 |
| SoilWater | C | 9/12/2013 | S | C | 5 | 12 | S |      |        | 0.56   | 1.280  |      |
| SoilWater | C | 10/4/2013 | F | T | 1 | 12 | A | 0.14 |        | 21.80  | 0.973  |      |
| SoilWater | C | 10/4/2013 | F | T | 2 | 24 | A |      |        | 4.39   |        |      |
| SoilWater | C | 10/4/2013 | F | C | 1 | 12 | S | 0.05 | 106.00 | 131.00 | 0.444  | 6.53 |
| SoilWater | C | 10/4/2013 | F | C | 2 | 12 | S | 0.69 | 71.80  | 121.00 | 0.877  | 6.03 |

|           |   |            |   |   |   |    |   |      |       |        |       |      |
|-----------|---|------------|---|---|---|----|---|------|-------|--------|-------|------|
| SoilWater | C | 10/4/2013  | F | C | 3 | 12 | S | 0.09 | 11.90 | 17.30  | 0.956 | 7.01 |
| SoilWater | C | 10/4/2013  | F | C | 5 | 12 | S | 0.05 | 3.58  | 8.63   | 0.492 | 6.90 |
| SoilWater | C | 11/5/2013  | F | T | 1 | 24 | A | 0.05 |       | 17.28  | 0.764 | 6.68 |
| SoilWater | C | 11/5/2013  | F | T | 2 | 12 | A | 0.05 | 43.88 | 82.15  | 0.407 | 6.30 |
| SoilWater | C | 11/5/2013  | F | T | 3 | 12 | A | 0.05 | 37.10 | 73.24  | 0.413 | 5.90 |
| SoilWater | C | 11/5/2013  | F | T | 3 | 36 | A | 0.05 | 53.96 | 130.64 | 1.790 | 7.07 |
| SoilWater | C | 11/5/2013  | F | T | 4 | 12 | A | 0.05 | 19.12 | 33.75  | 0.438 | 6.92 |
| SoilWater | C | 11/5/2013  | F | T | 5 | 12 | A | 0.05 | 50.82 | 102.37 | 0.435 | 6.05 |
| SoilWater | C | 11/5/2013  | F | T | 6 | 12 | A | 1.51 | 5.88  | 11.62  | 0.804 | 6.27 |
| SoilWater | C | 11/5/2013  | F | C | 1 | 12 | S | 0.05 | 45.82 | 77.94  | 0.607 | 5.91 |
| SoilWater | C | 11/5/2013  | F | C | 1 | 24 | S | 0.05 | 9.69  | 16.24  | 0.490 | 6.26 |
| SoilWater | C | 11/5/2013  | F | C | 2 | 12 | S | 0.05 | 28.42 | 63.76  | 0.936 | 6.33 |
| SoilWater | C | 11/5/2013  | F | C | 3 | 12 | S | 0.05 | 9.52  | 23.13  | 0.585 | 5.67 |
| SoilWater | C | 11/5/2013  | F | C | 3 | 24 | S | 0.05 | 7.73  | 18.21  | 0.408 | 6.16 |
| SoilWater | C | 11/5/2013  | F | C | 4 | 12 | S | 0.05 | 36.01 | 60.20  | 0.538 | 6.15 |
| SoilWater | C | 11/5/2013  | F | C | 5 | 12 | S | 0.05 | 1.94  | 6.12   | 0.545 | 6.22 |
| SoilWater | C | 11/5/2013  | F | C | 5 | 36 | S | 0.23 | 8.10  | 12.01  | 0.394 | 6.22 |
| SoilWater | C | 11/5/2013  | F | C | 6 | 36 | S | 1.55 |       | 12.30  | 0.819 | 6.92 |
| SoilWater | C | 11/22/2013 | F | T | 1 | 12 | A | 0.05 | 9.74  | 18.13  | 0.001 | 6.24 |
| SoilWater | C | 11/22/2013 | F | T | 1 | 24 | A | 0.05 | 16.09 | 16.16  | 0.001 | 6.00 |
| SoilWater | C | 11/22/2013 | F | T | 1 | 36 | A | 0.59 | 8.53  | 9.50   | 0.001 | 6.27 |
| SoilWater | C | 11/22/2013 | F | T | 2 | 12 | A | 0.05 | 9.57  | 10.66  | 0.001 | 6.46 |
| SoilWater | C | 11/22/2013 | F | T | 2 | 24 | A | 0.05 |       | 31.00  | 1.450 | 7.02 |
| SoilWater | C | 11/22/2013 | F | T | 2 | 36 | A | 0.16 | 55.89 | 93.03  | 0.001 | 5.82 |
| SoilWater | C | 11/22/2013 | F | T | 3 | 12 | A | 0.05 | 27.34 | 17.87  | 0.001 | 6.21 |
| SoilWater | C | 11/22/2013 | F | T | 3 | 24 | A | 0.05 | 49.36 | 50.92  | 0.001 | 6.20 |
| SoilWater | C | 11/22/2013 | F | T | 3 | 36 | A | 0.05 | 95.08 | 127.55 | 0.048 | 6.06 |
| SoilWater | C | 11/22/2013 | F | T | 4 | 12 | A | 0.05 | 7.02  | 12.30  | 0.001 | 6.52 |
| SoilWater | C | 11/22/2013 | F | T | 5 | 12 | A | 0.05 | 13.44 | 23.13  | 0.001 | 6.25 |
| SoilWater | C | 11/22/2013 | F | T | 5 | 24 | A | 0.06 |       | 27.61  | 0.118 | 6.53 |

|           |   |            |   |   |   |    |   |      |       |        |       |      |
|-----------|---|------------|---|---|---|----|---|------|-------|--------|-------|------|
| SoilWater | C | 11/22/2013 | F | T | 6 | 12 | A | 0.05 | 3.11  | 6.12   | 0.039 | 6.37 |
| SoilWater | C | 11/22/2013 | F | T | 6 | 36 | A | 0.49 | 75.51 | 133.16 | 0.001 | 6.29 |
| SoilWater | C | 11/22/2013 | F | C | 1 | 12 | S | 0.05 | 38.52 | 52.91  | 0.020 | 6.16 |
| SoilWater | C | 11/22/2013 | F | C | 1 | 24 | S | 0.05 | 26.97 | 18.30  | 0.001 | 6.09 |
| SoilWater | C | 11/22/2013 | F | C | 2 | 12 | S | 1.35 | 53.17 | 95.28  | 0.200 | 5.89 |
| SoilWater | C | 11/22/2013 | F | C | 3 | 12 | S | 0.05 | 28.80 | 51.91  | 0.001 | 5.83 |
| SoilWater | C | 11/22/2013 | F | C | 3 | 24 | S | 0.05 | 23.41 | 38.96  | 0.001 | 5.68 |
| SoilWater | C | 11/22/2013 | F | C | 4 | 12 | S | 0.05 | 50.83 | 75.74  | 0.001 | 6.07 |
| SoilWater | C | 11/22/2013 | F | C | 4 | 24 | S | 0.16 |       | 58.22  | 0.001 | 6.54 |
| SoilWater | C | 11/22/2013 | F | C | 4 | 36 | S | 0.86 | 14.29 | 19.10  | 0.001 | 6.01 |
| SoilWater | C | 11/22/2013 | F | C | 5 | 12 | S | 0.05 | 9.93  | 26.19  | 0.001 | 6.22 |
| SoilWater | C | 11/22/2013 | F | C | 5 | 36 | S | 0.06 | 15.77 | 22.69  | 0.001 | 6.47 |
| SoilWater | C | 11/22/2013 | F | C | 6 | 12 | S | 0.05 | 21.50 | 38.96  | 0.001 | 5.98 |
| SoilWater | C | 12/18/2013 | F | T | 1 | 12 | A | 0.05 | 5.10  | 11.10  | 0.046 | 6.46 |
| SoilWater | C | 12/18/2013 | F | T | 1 | 24 | A | 0.11 | 8.00  | 11.40  | 0.102 | 6.89 |
| SoilWater | C | 12/18/2013 | F | T | 3 | 12 | A | 0.05 | 5.80  | 8.54   | 0.094 | 6.60 |
| SoilWater | C | 12/18/2013 | F | T | 5 | 12 | A | 0.05 | 7.00  | 15.50  | 0.025 | 6.70 |
| SoilWater | C | 12/18/2013 | F | T | 6 | 12 | A | 0.05 | 6.10  | 13.00  | 0.260 | 6.97 |
| SoilWater | C | 12/18/2013 | F | C | 1 | 12 | S | 0.05 | 27.20 | 56.70  | 0.023 | 6.41 |
| SoilWater | C | 12/18/2013 | F | C | 1 | 24 | S | 0.05 | 10.20 | 13.20  | 0.052 | 6.74 |
| SoilWater | C | 12/18/2013 | F | C | 2 | 12 | S | 1.69 | 46.10 | 87.10  | 0.397 | 6.30 |
| SoilWater | C | 12/18/2013 | F | C | 3 | 12 | S | 0.05 | 29.80 | 54.90  | 0.011 | 6.14 |
| SoilWater | C | 12/18/2013 | F | C | 3 | 24 | S | 1.04 | 29.10 | 50.60  | 0.114 | 6.67 |
| SoilWater | C | 12/18/2013 | F | C | 4 | 12 | S | 0.05 |       | 61.20  | 0.223 | 7.59 |
| SoilWater | C | 12/18/2013 | F | C | 5 | 12 | S | 0.05 | 16.30 | 38.00  | 0.043 | 6.81 |
| SoilWater | C | 1/6/2014   | W | T | 1 | 12 | A | 0.05 | 9.54  | 13.06  | 0.144 | 6.33 |
| SoilWater | C | 1/6/2014   | W | T | 1 | 24 | A | 0.14 | 17.40 | 17.07  | 0.177 | 6.23 |
| SoilWater | C | 1/6/2014   | W | T | 1 | 36 | A | 0.09 | 6.63  | 5.21   | 0.141 | 6.54 |
| SoilWater | C | 1/6/2014   | W | T | 2 | 12 | A | 0.05 | 11.40 | 9.36   | 0.278 | 6.58 |
| SoilWater | C | 1/6/2014   | W | T | 3 | 12 | A | 0.05 | 16.60 | 17.21  | 0.231 | 6.49 |

|           |   |           |   |   |   |    |   |       |        |        |       |      |
|-----------|---|-----------|---|---|---|----|---|-------|--------|--------|-------|------|
| SoilWater | C | 1/6/2014  | W | T | 3 | 24 | A | 0.05  | 22.40  | 26.95  | 0.237 | 6.96 |
| SoilWater | C | 1/6/2014  | W | T | 3 | 36 | A | 0.05  | 64.10  | 60.37  | 1.040 | 6.74 |
| SoilWater | C | 1/6/2014  | W | T | 4 | 12 | A | 0.05  | 10.30  | 8.89   | 0.183 | 6.78 |
| SoilWater | C | 1/6/2014  | W | T | 5 | 12 | A | 0.05  | 16.00  | 17.61  | 0.201 | 6.41 |
| SoilWater | C | 1/6/2014  | W | T | 6 | 12 | A | 0.05  | 19.60  | 20.55  | 0.255 | 6.45 |
| SoilWater | C | 1/6/2014  | W | C | 1 | 12 | S | 0.05  | 28.80  | 28.41  | 0.133 | 6.50 |
| SoilWater | C | 1/6/2014  | W | C | 1 | 24 | S | 0.05  | 39.50  | 21.98  | 0.113 | 6.19 |
| SoilWater | C | 1/6/2014  | W | C | 2 | 12 | S | 0.05  | 163.00 | 102.50 | 0.199 | 6.00 |
| SoilWater | C | 1/6/2014  | W | C | 3 | 12 | S | 0.05  | 48.60  | 44.51  | 0.108 | 6.02 |
| SoilWater | C | 1/6/2014  | W | C | 3 | 24 | S | 0.05  | 63.30  | 56.98  | 0.117 | 5.80 |
| SoilWater | C | 1/6/2014  | W | C | 4 | 12 | S | 0.05  | 39.30  | 41.84  | 0.120 | 6.38 |
| SoilWater | C | 1/6/2014  | W | C | 5 | 12 | S | 0.05  | 33.80  | 35.37  | 0.128 | 6.65 |
| SoilWater | C | 1/6/2014  | W | C | 6 | 12 | S | 0.05  | 53.20  | 49.28  | 0.197 | 6.17 |
| SoilWater | C | 2/12/2014 | W | T | 1 | 12 | A | 0.05  | 8.41   | 8.14   | 0.077 | 6.30 |
| SoilWater | C | 2/12/2014 | W | T | 1 | 24 | A | 0.05  |        | 9.60   | 0.937 | 6.75 |
| SoilWater | C | 2/12/2014 | W | T | 1 | 36 | A | 0.90  |        | 5.29   | 0.356 | 7.14 |
| SoilWater | C | 2/12/2014 | W | T | 3 | 12 | A | 0.05  | 9.37   | 8.13   | 0.127 | 6.63 |
| SoilWater | C | 2/12/2014 | W | T | 5 | 12 | A | 18.30 | 21.40  | 25.30  | 3.880 | 6.40 |
| SoilWater | C | 2/12/2014 | W | T | 6 | 12 | A | 0.05  |        | 26.10  | 0.274 | 7.16 |
| SoilWater | C | 2/12/2014 | W | C | 1 | 12 | S | 0.05  | 8.31   | 8.43   | 0.117 | 6.27 |
| SoilWater | C | 2/12/2014 | W | C | 1 | 24 | S | 0.05  | 26.90  | 37.60  | 0.111 | 6.53 |
| SoilWater | C | 2/12/2014 | W | C | 2 | 12 | S | 0.43  | 105.00 | 107.00 | 1.220 | 6.65 |
| SoilWater | C | 2/12/2014 | W | C | 5 | 12 | S | 0.74  | 15.80  | 38.40  | 0.233 | 6.86 |
| SoilWater | C | 3/3/2014  | W | T | 1 | 12 | A | 0.05  | 9.83   | 10.04  | 0.217 | 6.56 |
| SoilWater | C | 3/3/2014  | W | T | 3 | 12 | A | 0.07  | 19.58  | 16.94  | 0.179 | 6.20 |
| SoilWater | C | 3/3/2014  | W | T | 4 | 12 | A | 0.05  | 4.99   | 4.97   | 0.342 | 7.33 |
| SoilWater | C | 3/3/2014  | W | T | 5 | 12 | A | 3.18  | 51.81  | 39.88  | 0.421 | 6.12 |
| SoilWater | C | 3/3/2014  | W | C | 1 | 12 | S | 0.05  | 19.82  | 9.96   | 0.122 | 6.18 |
| SoilWater | C | 3/3/2014  | W | C | 1 | 24 | S | 0.05  | 6.71   | 23.44  | 0.310 | 7.00 |
| SoilWater | C | 3/3/2014  | W | C | 2 | 12 | S | 0.05  | 23.61  | 19.29  | 0.195 | 5.99 |

|           |   |           |    |   |   |    |   |      |       |       |       |      |
|-----------|---|-----------|----|---|---|----|---|------|-------|-------|-------|------|
| SoilWater | C | 3/3/2014  | W  | C | 3 | 12 | S | 0.10 | 17.84 | 15.31 | 0.146 | 7.04 |
| SoilWater | C | 3/3/2014  | W  | C | 4 | 12 | S | 0.09 | 7.33  | 8.62  | 0.214 | 6.68 |
| SoilWater | C | 3/3/2014  | W  | C | 5 | 12 | S | 0.72 | 27.48 | 21.73 | 0.218 | 6.51 |
| SoilWater | C | 4/2/2014  | SP | T | 1 | 12 | A | 0.05 | 16.83 | 23.76 | 0.08  | 6.18 |
| SoilWater | C | 4/2/2014  | SP | T | 1 | 24 | A | 0.05 | 21.28 | 28.81 | 0.064 | 6.14 |
| SoilWater | C | 4/2/2014  | SP | T | 1 | 36 | A | 0.05 | 7.16  | 5.16  | 0.152 | 7.57 |
| SoilWater | C | 4/2/2014  | SP | T | 2 | 36 | A | 0.05 | 32.27 | 36.32 | 0.127 | 7    |
| SoilWater | C | 4/2/2014  | SP | T | 3 | 12 | A | 0.05 | 31.18 | 37.74 | 0.131 | 6.42 |
| SoilWater | C | 4/2/2014  | SP | T | 3 | 36 | A | 0.05 | 20.32 | 26.07 | 1.48  | 6.72 |
| SoilWater | C | 4/2/2014  | SP | T | 4 | 12 | A | 0.39 | 5.44  | 6.19  | 0.53  | 7.12 |
| SoilWater | C | 4/2/2014  | SP | T | 5 | 12 | A | 0.05 | 60.15 | 70.87 | 0.277 | 6.21 |
| SoilWater | C | 4/2/2014  | SP | T | 6 | 12 | A | 0.09 | 42.69 | 45.76 | 0.231 | 6.54 |
| SoilWater | C | 4/2/2014  | SP | C | 1 | 12 | S | 0.05 | 10.9  | 13.46 | 0.076 | 6.48 |
| SoilWater | C | 4/2/2014  | SP | C | 1 | 24 | S | 0.05 | 16.78 | 19.96 | 0.075 | 6.21 |
| SoilWater | C | 4/2/2014  | SP | C | 2 | 12 | S | 0.05 | 13.19 | 16.79 | 0.177 | 6.34 |
| SoilWater | C | 4/2/2014  | SP | C | 3 | 12 | S | 0.05 | 20.61 | 27.07 | 0.078 | 6.20 |
| SoilWater | C | 4/2/2014  | SP | C | 3 | 24 | S | 0.05 | 26.25 | 32.11 | 0.106 | 6.28 |
| SoilWater | C | 4/2/2014  | SP | C | 4 | 12 | S | 0.05 | 10.05 | 12.09 | 0.074 | 6.34 |
| SoilWater | C | 4/2/2014  | SP | C | 4 | 24 | S | 1.66 |       | 64.8  | 0.362 | 7.76 |
| SoilWater | C | 4/2/2014  | SP | C | 4 | 36 | S | 1.28 |       | 28.58 | 0.699 | 7.84 |
| SoilWater | C | 4/2/2014  | SP | C | 5 | 12 | S | 0.05 | 31.44 | 36.31 | 0.069 | 6.31 |
| SoilWater | C | 4/2/2014  | SP | C | 6 | 12 | S | 0.06 | 7.37  | 7.36  | 0.329 | 7.1  |
| SoilWater | C | 4/23/2014 | SP | T | 1 | 12 | A |      | 19.65 | 12.51 | 0.453 | 7.04 |
| SoilWater | C | 4/23/2014 | SP | T | 5 | 12 | A |      |       | 3.36  | 0.741 | 7.91 |
| SoilWater | C | 4/23/2014 | SP | T | 6 | 12 | A |      |       | 7.51  | 0.707 | 7.66 |
| SoilWater | C | 4/23/2014 | SP | C | 1 | 24 | S |      |       | 17.66 | 0.287 | 7.45 |
| SoilWater | C | 4/23/2014 | SP | C | 4 | 24 | S |      |       | 28.5  | 0.513 | 7.26 |
| SoilWater | C | 4/23/2014 | SP | C | 6 | 12 | S |      |       | 1.4   | 0.324 | 7.63 |
| SoilWater | C | 5/16/2014 | SP | T | 1 | 12 | A | 0.05 | 2.66  | 2.02  | 0.255 | 6.51 |
| SoilWater | C | 5/16/2014 | SP | T | 1 | 24 | A | 0.05 | 7.98  | 10.22 | 0.058 | 6.86 |

|           |   |           |    |   |   |    |   |        |       |       |       |      |
|-----------|---|-----------|----|---|---|----|---|--------|-------|-------|-------|------|
| SoilWater | C | 5/16/2014 | SP | T | 2 | 12 | A | 0.59   | 1.94  | 1.25  | 0.496 | 6.60 |
| SoilWater | C | 5/16/2014 | SP | T | 2 | 24 | A | 38.43  | 1.80  | 0.38  | 1.990 | 6.82 |
| SoilWater | C | 5/16/2014 | SP | T | 3 | 12 | A | 0.05   | 3.14  | 2.41  | 0.363 | 6.44 |
| SoilWater | C | 5/16/2014 | SP | T | 4 | 12 | A | 0.39   | 4.29  | 3.38  | 0.927 | 6.98 |
| SoilWater | C | 5/16/2014 | SP | T | 6 | 12 | A | 0.75   | 2.76  | 1.73  | 0.654 | 7.17 |
| SoilWater | C | 5/16/2014 | SP | C | 1 | 12 | S | 0.62   | 1.30  | 0.69  | 0.129 | 8.10 |
| SoilWater | C | 5/16/2014 | SP | C | 1 | 24 | S | 21.82  | 2.49  | 0.66  | 0.500 | 7.41 |
| SoilWater | C | 5/16/2014 | SP | C | 2 | 12 | S | 0.05   | 2.34  | 1.09  | 0.232 | 6.11 |
| SoilWater | C | 5/16/2014 | SP | C | 3 | 12 | S | 0.34   | 2.00  | 2.92  | 0.371 | 6.56 |
| SoilWater | C | 5/16/2014 | SP | C | 4 | 12 | S | 2.18   | 1.64  | 0.80  | 0.241 | 6.58 |
| SoilWater | C | 5/16/2014 | SP | C | 5 | 12 | S | 0.53   | 21.04 | 21.17 | 0.153 | 6.53 |
| SoilWater | C | 5/16/2014 | SP | C | 6 | 12 | S | 181.44 | 6.56  | 4.44  | 8.326 | 7.79 |
| SoilWater | C | 5/30/2014 | SP | C | 1 | 12 | S | 0.05   | 1.44  | 0.69  | 0.197 | 5.85 |
| SoilWater | C | 5/30/2014 | SP | C | 1 | 24 | S | 4.60   | 2.39  | 1.14  | 0.895 | 5.99 |
| SoilWater | C | 5/30/2014 | SP | C | 3 | 12 | S | 0.05   |       | 0.71  | 0.740 | 5.40 |
| SoilWater | C | 5/30/2014 | SP | C | 3 | 24 | S | 0.05   | 1.66  | 2.44  | 0.184 | 5.60 |
| SoilWater | C | 6/2/2014  | SP | T | 1 | 12 | A | 0.05   | 2.37  | 1.95  | 0.359 | 6.28 |
| SoilWater | C | 6/2/2014  | SP | T | 1 | 24 | A | 0.05   | 7.44  | 8.58  | 0.114 | 6.36 |
| SoilWater | C | 6/2/2014  | SP | T | 3 | 12 | A |        |       | 1.32  | 1.357 | 6.82 |
| SoilWater | C | 6/2/2014  | SP | T | 4 | 12 | A | 0.05   | 4.95  | 4.29  | 1.033 | 5.88 |
| SoilWater | C | 6/2/2014  | SP | T | 5 | 24 | A | 0.46   | 8.76  | 9.69  | 0.820 | 6.42 |
| SoilWater | C | 6/2/2014  | SP | T | 6 | 12 | A | 0.05   | 2.97  | 2.11  | 0.809 | 6.14 |
| SoilWater | C | 6/2/2014  | SP | C | 4 | 12 | S | 0.05   | 1.05  | 0.38  | 0.099 | 5.89 |
| SoilWater | C | 6/2/2014  | SP | C | 4 | 24 | S |        |       | 9.07  | 0.547 | 6.45 |
| SoilWater | C | 6/2/2014  | SP | C | 4 | 36 | S | 145.13 | 21.44 | 2.45  | 6.897 | 6.91 |
| SoilWater | C | 7/7/2014  | S  | T | 1 | 12 | A | 0.05   | 2.87  | 2.06  | 0.536 | 5.98 |
| SoilWater | C | 7/7/2014  | S  | T | 2 | 24 | A | 4.31   | 38.98 | 13.83 | 15.04 | 7.17 |
| SoilWater | C | 7/7/2014  | S  | T | 5 | 12 | A | 0.31   | 4.18  | 2.85  | 0.197 | 6.18 |
| SoilWater | C | 7/7/2014  | S  | T | 6 | 12 | A | 0.15   | 4.84  | 4.06  | 1.958 | 6.58 |
| SoilWater | C | 7/7/2014  | S  | C | 1 | 12 | S | 0.05   | 1.86  | 0.78  | 0.311 | 5.98 |

|           |   |            |   |   |   |    |   |        |        |        |        |      |
|-----------|---|------------|---|---|---|----|---|--------|--------|--------|--------|------|
| SoilWater | C | 7/7/2014   | S | C | 1 | 24 | S | 0.05   | 9.40   | 8.35   | 2.592  | 6.53 |
| SoilWater | C | 7/7/2014   | S | C | 2 | 12 | S | 0.05   | 2.72   | 1.07   | 0.422  | 5.81 |
| SoilWater | C | 7/7/2014   | S | C | 4 | 12 | S | 0.09   | 2.43   | 1.36   | 0.333  | 5.98 |
| SoilWater | C | 7/7/2014   | S | C | 6 | 12 | S | 0.05   | 0.50   | 0.30   | 10.97  | 7.53 |
| SoilWater | C | 7/28/2014  | S | C | 4 | 36 | S | 258.90 | 514.4  | 1.73   | 58.44  | 7.43 |
| SoilWater | C | 7/28/2014  | S | C | 5 | 12 | S | 0.07   | 34.8   | 30.46  | 0.22   | 6.48 |
| SoilWater | C | 7/28/2014  | S | T | 1 | 36 | A | 32.85  | 28.75  | 6.32   | 0.727  | 7.3  |
| SoilWater | C | 7/28/2014  | S | T | 2 | 36 | A | 53.82  | 34.96  | 20.26  | 4.942  | 7.07 |
| SoilWater | C | 7/28/2014  | S | T | 4 | 36 | A | 3.46   | 11.67  | 0.16   | 8.909  | 7.02 |
| SoilWater | C | 8/18/2014  | S | T | 3 | 24 | A | 0.05   | 20.28  | 7.62   | 0.817  | 7.01 |
| SoilWater | C | 9/4/2014   | S | C | 5 | 12 | S | 0.24   |        | 11.49  | 0.696  | 7.23 |
| SoilWater | C | 9/4/2014   | S | T | 4 | 36 | A | 1.47   | 13.93  | 0.62   | 9.817  | 7.42 |
| SoilWater | C | 9/23/2014  | S | T | 4 | 36 | A | 65.90  | 5.58   | 0.58   | 11.970 | 7.37 |
| SoilWater | C | 10/17/2014 | F | T | 4 | 36 | A | 0.60   | 134.37 | 92.60  | 29.800 | 7.25 |
| SoilWater | C | 10/23/2014 | F | C | 1 | 12 | S | 0.21   | 6.56   | 4.30   | 0.598  | 6.02 |
| SoilWater | C | 10/23/2014 | F | C | 2 | 12 | S | 0.17   | 59.43  | 50.51  | 0.936  | 5.98 |
| SoilWater | C | 10/23/2014 | F | T | 3 | 12 | A | 0.16   | 89.22  | 87.12  | 1.122  | 6.06 |
| SoilWater | C | 10/31/2014 | F | C | 1 | 12 | S | 0.05   | 6.49   | 5.34   | 0.345  | 6.20 |
| SoilWater | C | 10/31/2014 | F | C | 1 | 24 | S | 0.05   | 50.57  | 55.69  | 0.603  | 5.94 |
| SoilWater | C | 10/31/2014 | F | C | 2 | 12 | S | 0.05   | 80.36  | 49.49  | 0.668  | 6.04 |
| SoilWater | C | 10/31/2014 | F | C | 3 | 12 | S | 0.05   | 66.70  | 55.66  | 1.489  | 5.79 |
| SoilWater | C | 10/31/2014 | F | C | 3 | 24 | S | 0.05   | 17.15  | 13.63  | 0.476  | 5.95 |
| SoilWater | C | 10/31/2014 | F | C | 4 | 12 | S | 0.05   | 102.83 | 69.71  | 2.392  | 6.95 |
| SoilWater | C | 10/31/2014 | F | C | 5 | 12 | S | 0.05   | 34.25  | 23.62  | 0.698  | 6.23 |
| SoilWater | C | 10/31/2014 | F | C | 6 | 12 | S | 18.15  | 171.18 | 120.63 | 15.240 | 7.02 |
| SoilWater | C | 10/31/2014 | F | T | 1 | 12 | A | 0.05   | 61.48  | 44.11  | 0.664  | 6.06 |
| SoilWater | C | 10/31/2014 | F | T | 1 | 24 | A | 0.05   | 26.96  | 17.76  | 1.742  | 6.37 |
| SoilWater | C | 10/31/2014 | F | T | 3 | 12 | A | 0.05   | 87.00  | 89.36  | 0.541  | 6.13 |
| SoilWater | C | 10/31/2014 | F | T | 4 | 12 | A | 0.05   | 17.34  | 14.79  | 1.183  | 6.83 |
| SoilWater | C | 10/31/2014 | F | T | 5 | 12 | A | 0.05   | 97.56  | 64.38  | 0.752  | 6.30 |

|           |   |            |   |   |   |    |   |      |        |        |       |      |
|-----------|---|------------|---|---|---|----|---|------|--------|--------|-------|------|
| SoilWater | C | 10/31/2014 | F | T | 6 | 12 | A | 0.05 | 99.30  | 63.94  | 0.628 | 6.08 |
| SoilWater | C | 11/6/2014  | F | C | 1 | 12 | S | 0.05 | 8.26   | 5.88   | 0.221 | 6.06 |
| SoilWater | C | 11/6/2014  | F | C | 1 | 24 | S | 0.05 | 82.64  | 51.73  | 0.428 | 6.15 |
| SoilWater | C | 11/6/2014  | F | C | 2 | 12 | S | 0.05 | 59.16  | 32.09  | 0.434 | 6.10 |
| SoilWater | C | 11/6/2014  | F | C | 3 | 12 | S | 0.05 | 49.39  | 44.66  | 1.012 | 6.00 |
| SoilWater | C | 11/6/2014  | F | C | 5 | 12 | S | 0.05 | 73.37  | 29.72  | 0.722 | 6.48 |
| SoilWater | C | 11/6/2014  | F | T | 1 | 12 | A | 0.05 | 45.59  | 31.29  | 0.438 | 6.12 |
| SoilWater | C | 11/6/2014  | F | T | 1 | 36 | A | 0.05 | 185.85 | 107.00 | 1.006 | 6.32 |
| SoilWater | C | 11/6/2014  | F | T | 3 | 12 | A | 0.05 | 51.36  | 47.51  | 0.351 | 6.03 |
| SoilWater | C | 11/6/2014  | F | T | 5 | 12 | A | 0.05 | 74.67  | 52.08  | 0.484 | 6.30 |
| SoilWater | C | 11/26/2014 | F | C | 1 | 12 | S | 0.05 | 14.77  | 10.15  | 0.219 | 6.29 |
| SoilWater | C | 11/26/2014 | F | C | 1 | 24 | S | 0.05 | 28.33  | 25.57  | 0.223 | 6.25 |
| SoilWater | C | 11/26/2014 | F | C | 2 | 12 | S | 0.05 | 38.07  | 37.33  | 0.320 | 6.20 |
| SoilWater | C | 11/26/2014 | F | C | 3 | 12 | S | 0.05 | 29.58  | 29.91  | 0.336 | 5.95 |
| SoilWater | C | 11/26/2014 | F | C | 4 | 12 | S | 0.09 | 76.78  | 59.63  | 1.015 | 6.23 |
| SoilWater | C | 11/26/2014 | F | C | 5 | 12 | S | 0.18 | 40.53  | 35.29  | 0.406 | 6.29 |
| SoilWater | C | 11/26/2014 | F | C | 6 | 12 | S | 4.28 | 37.49  | 35.74  | 3.253 | 6.51 |
| SoilWater | C | 11/26/2014 | F | T | 1 | 12 | A | 0.05 | 23.69  | 20.45  | 0.193 | 6.28 |
| SoilWater | C | 11/26/2014 | F | T | 1 | 24 | A | 0.05 | 44.65  | 45.26  | 0.315 | 6.74 |
| SoilWater | C | 11/26/2014 | F | T | 2 | 12 | A | 0.05 | 40.68  | 31.73  | 0.293 | 6.45 |
| SoilWater | C | 11/26/2014 | F | T | 2 | 24 | A | 0.05 | 40.33  | 34.49  | 1.680 | 6.75 |
| SoilWater | C | 11/26/2014 | F | T | 3 | 12 | A | 0.05 | 27.16  | 26.11  | 0.351 | 6.52 |
| SoilWater | C | 11/26/2014 | F | T | 3 | 24 | A | 0.05 | 49.38  | 38.46  | 0.433 | 6.52 |
| SoilWater | C | 11/26/2014 | F | T | 3 | 36 | A | 0.05 | 79.60  | 74.30  | 0.758 | 6.12 |
| SoilWater | C | 11/26/2014 | F | T | 5 | 12 | A | 0.05 | 44.27  | 39.46  | 0.351 | 6.53 |
| SoilWater | C | 11/26/2014 | F | T | 6 | 12 | A | 0.05 | 26.53  | 22.52  | 1.022 | 7.30 |
| SoilWater | C | 12/3/2014  | F | C | 1 | 12 | S | 0.06 | 19.36  | 13.14  | 0.167 | 6.66 |
| SoilWater | C | 12/3/2014  | F | C | 1 | 24 | S | 0.05 | 32.28  | 21.87  | 0.198 | 6.82 |
| SoilWater | C | 12/3/2014  | F | C | 2 | 12 | S | 0.06 | 35.36  | 22.40  | 0.338 | 6.59 |
| SoilWater | C | 12/3/2014  | F | C | 2 | 24 | S | 0.05 | 16.30  | 16.47  | 0.187 | 6.45 |

|           |   |            |   |   |   |    |   |      |       |       |        |      |
|-----------|---|------------|---|---|---|----|---|------|-------|-------|--------|------|
| SoilWater | C | 12/3/2014  | F | C | 3 | 12 | S | 0.07 | 41.26 | 36.80 | 0.322  | 6.75 |
| SoilWater | C | 12/3/2014  | F | C | 5 | 12 | S | 0.05 | 43.53 | 35.92 | 0.481  | 6.95 |
| SoilWater | C | 12/3/2014  | F | T | 1 | 12 | A | 0.06 | 20.70 | 18.46 | 0.194  | 6.70 |
| SoilWater | C | 12/3/2014  | F | T | 1 | 24 | A | 0.10 | 57.39 | 44.94 | 0.136  | 6.33 |
| SoilWater | C | 12/3/2014  | F | T | 1 | 36 | A | 0.09 | 75.29 | 57.05 | 0.132  | 6.17 |
| SoilWater | C | 12/3/2014  | F | T | 3 | 12 | A | 0.05 | 23.81 | 18.34 | 0.303  | 6.65 |
| SoilWater | C | 12/3/2014  | F | T | 4 | 12 | A | 0.05 | 14.23 | 9.82  | 0.338  | 7.03 |
| SoilWater | C | 12/3/2014  | F | T | 5 | 12 | A | 0.10 | 51.34 | 36.79 | 0.196  | 6.73 |
| SoilWater | C | 12/3/2014  | F | T | 6 | 12 | A | 0.08 | 24.04 | 22.66 | 0.334  | 6.80 |
| SoilWater | C | 12/8/2014  | F | C | 3 | 12 | S | 0.05 | 36.57 | 31.78 | 1.392  | 6.97 |
| SoilWater | C | 12/8/2014  | F | C | 5 | 12 | S | 0.05 | 45.70 | 42.12 | 24.460 | 7.04 |
| SoilWater | C | 12/8/2014  | F | T | 3 | 12 | A | 0.05 | 17.86 | 16.64 | 0.536  | 6.75 |
| SoilWater | C | 12/15/2014 | F | C | 1 | 12 | S | 0.05 | 13.20 | 12.74 | 0.182  | 6.55 |
| SoilWater | C | 12/15/2014 | F | C | 1 | 24 | S | 0.05 | 20.21 | 17.39 | 0.179  | 6.62 |
| SoilWater | C | 12/15/2014 | F | C | 2 | 12 | S | 0.06 | 20.47 | 20.70 | 0.803  | 6.46 |
| SoilWater | C | 12/15/2014 | F | C | 3 | 12 | S | 1.13 | 16.52 | 14.38 | 0.584  | 6.54 |
| SoilWater | C | 12/15/2014 | F | C | 3 | 24 | S | 0.05 | 20.15 | 16.98 | 0.200  | 6.42 |
| SoilWater | C | 12/15/2014 | F | C | 4 | 12 | S | 0.12 | 35.40 | 31.69 | 1.059  | 7.24 |
| SoilWater | C | 12/15/2014 | F | C | 5 | 12 | S | 0.05 | 53.63 | 38.84 | 0.329  | 6.56 |
| SoilWater | C | 12/15/2014 | F | T | 1 | 12 | A | 0.05 | 19.58 | 14.48 | 0.189  | 6.66 |
| SoilWater | C | 12/15/2014 | F | T | 1 | 24 | A | 0.05 | 23.81 | 22.97 | 0.184  | 6.56 |
| SoilWater | C | 12/15/2014 | F | T | 1 | 36 | A | 2.62 | 89.88 | 69.03 | 0.219  | 6.69 |
| SoilWater | C | 12/15/2014 | F | T | 2 | 12 | A | 0.05 | 22.63 | 20.69 | 0.265  | 7.32 |
| SoilWater | C | 12/15/2014 | F | T | 3 | 12 | A | 0.05 | 12.68 | 12.88 | 0.220  | 6.39 |
| SoilWater | C | 12/15/2014 | F | T | 4 | 12 | A | 0.05 | 9.75  | 6.95  | 0.284  | 6.89 |
| SoilWater | C | 12/15/2014 | F | T | 5 | 12 | A | 0.05 | 33.53 | 30.93 | 0.183  | 6.71 |
| SoilWater | C | 12/15/2014 | F | T | 6 | 12 | A | 0.05 | 17.86 | 15.74 | 0.320  | 6.74 |
| SoilWater | C | 12/31/2014 | F | C | 1 | 12 | S | 0.05 | 14.75 | 13.91 | 0.276  | 6.14 |
| SoilWater | C | 12/31/2014 | F | C | 1 | 24 | S | 0.05 | 19.58 | 14.44 | 0.261  | 6.31 |
| SoilWater | C | 12/31/2014 | F | C | 2 | 12 | S | 0.05 | 22.22 | 20.23 | 0.641  | 6.25 |

|           |   |            |   |   |   |    |   |      |       |       |       |      |
|-----------|---|------------|---|---|---|----|---|------|-------|-------|-------|------|
| SoilWater | C | 12/31/2014 | F | C | 3 | 12 | S | 0.05 | 13.36 | 12.92 | 0.400 | 5.79 |
| SoilWater | C | 12/31/2014 | F | C | 3 | 24 | S | 0.05 | 12.03 | 12.18 | 0.302 | 6.16 |
| SoilWater | C | 12/31/2014 | F | C | 4 | 12 | S | 0.34 | 24.32 | 21.48 | 0.561 | 6.14 |
| SoilWater | C | 12/31/2014 | F | C | 5 | 12 | S | 0.05 | 29.64 | 27.98 | 0.428 | 6.18 |
| SoilWater | C | 12/31/2014 | F | T | 1 | 12 | A | 0.05 | 19.49 | 15.52 | 0.285 | 6.00 |
| SoilWater | C | 12/31/2014 | F | T | 1 | 24 | A | 0.05 | 21.04 | 18.06 | 0.329 | 6.03 |
| SoilWater | C | 12/31/2014 | F | T | 1 | 36 | A | 0.05 | 31.67 | 29.86 | 0.419 | 6.27 |
| SoilWater | C | 12/31/2014 | F | T | 3 | 12 | A | 0.05 | 13.59 | 13.09 | 0.330 | 6.10 |
| SoilWater | C | 12/31/2014 | F | T | 4 | 12 | A | 0.05 | 7.87  | 5.83  | 0.474 | 7.25 |
| SoilWater | C | 12/31/2014 | F | T | 5 | 12 | A | 0.05 | 26.36 | 25.27 | 0.291 | 6.12 |
| SoilWater | C | 1/8/2015   | W | C | 1 | 12 | S | 0.05 | 13.21 | 6.97  | 0.305 | 6.68 |
| SoilWater | C | 1/8/2015   | W | C | 2 | 12 | S | 0.05 | 19.97 | 12.07 | 1.238 | 6.57 |
| SoilWater | C | 1/8/2015   | W | C | 3 | 12 | S | 0.05 | 15.82 | 11.33 | 0.334 | 6.48 |
| SoilWater | C | 1/8/2015   | W | C | 3 | 24 | S | 0.05 | 6.98  | 6.84  | 0.364 | 6.51 |
| SoilWater | C | 1/8/2015   | W | C | 4 | 24 | S | 0.05 | 23.03 | 14.84 | 0.547 | 6.66 |
| SoilWater | C | 1/8/2015   | W | C | 5 | 12 | S | 0.05 | 20.47 | 13.88 | 0.345 | 6.85 |
| SoilWater | C | 1/8/2015   | W | C | 6 | 12 | S | 0.05 | 43.08 | 31.44 | 0.715 | 7.50 |
| SoilWater | C | 1/8/2015   | W | T | 1 | 24 | A | 0.05 | 20.51 | 13.44 | 0.040 | 6.54 |
| SoilWater | C | 1/8/2015   | W | T | 3 | 12 | A | 0.05 | 15.46 | 12.32 | 0.365 | 6.72 |
| SoilWater | C | 1/8/2015   | W | T | 4 | 12 | A | 0.05 | 1.76  | 0.35  | 0.337 | 6.72 |
| SoilWater | C | 1/8/2015   | W | T | 5 | 12 | A | 0.05 | 29.91 | 19.21 | 0.308 | 6.71 |
| SoilWater | C | 1/8/2015   | W | T | 6 | 12 | A | 0.05 | 18.76 | 13.63 | 0.428 | 6.71 |
| SoilWater | C | 1/22/2015  | W | C | 1 | 12 | S | 0.08 | 12.78 | 8.03  | 0.119 | 6.69 |
| SoilWater | C | 1/22/2015  | W | C | 1 | 24 | S | 0.07 | 24.72 | 13.88 | 0.088 | 6.62 |
| SoilWater | C | 1/22/2015  | W | C | 2 | 12 | S | 0.05 | 27.96 | 20.27 | 0.350 | 6.78 |
| SoilWater | C | 1/22/2015  | W | C | 3 | 24 | S | 0.07 | 11.24 | 7.93  | 0.004 | 6.28 |
| SoilWater | C | 1/22/2015  | W | T | 1 | 36 | A | 0.05 | 21.17 | 11.69 | 0.109 | 6.55 |
| SoilWater | C | 1/22/2015  | W | T | 2 | 36 | A | 0.06 | 17.77 | 9.22  | 0.122 | 6.61 |
| SoilWater | C | 1/22/2015  | W | T | 3 | 12 | A | 0.07 | 15.00 | 14.85 | 0.141 | 6.88 |
| SoilWater | C | 1/22/2015  | W | T | 3 | 36 | A | 0.11 | 25.01 | 20.39 | 0.057 | 6.35 |

|           |   |           |   |   |   |    |   |        |        |        |        |      |
|-----------|---|-----------|---|---|---|----|---|--------|--------|--------|--------|------|
| SoilWater | C | 2/6/2015  | W | C | 1 | 12 | S | 0.05   | 15.70  | 11.30  | 0.244  | 6.23 |
| SoilWater | C | 2/6/2015  | W | C | 1 | 24 | S | 0.05   | 12.17  | 9.21   | 0.166  | 6.45 |
| SoilWater | C | 2/6/2015  | W | C | 2 | 12 | S | 0.05   | 19.12  | 19.37  | 0.302  | 6.29 |
| SoilWater | C | 2/6/2015  | W | C | 3 | 12 | S | 0.05   | 14.23  | 12.77  | 0.175  | 6.06 |
| SoilWater | C | 2/6/2015  | W | C | 3 | 24 | S | 0.45   | 14.59  | 11.74  | 0.166  | 6.24 |
| SoilWater | C | 2/6/2015  | W | C | 5 | 12 | S | 0.05   | 19.56  | 13.57  | 0.260  | 6.27 |
| SoilWater | C | 2/6/2015  | W | C | 6 | 12 | S | 0.05   | 26.64  | 21.55  | 1.280  | 6.33 |
| SoilWater | C | 2/6/2015  | W | T | 1 | 12 | A | 0.79   | 28.87  | 21.86  | 0.185  | 6.10 |
| SoilWater | C | 2/6/2015  | W | T | 2 | 12 | A | 0.05   | 20.88  | 22.56  | 0.332  | 6.22 |
| SoilWater | C | 2/6/2015  | W | T | 3 | 12 | A | 0.05   | 16.73  | 15.66  | 0.192  | 6.22 |
| SoilWater | C | 2/6/2015  | W | T | 4 | 12 | A | 0.05   | 2.52   | 1.90   | 0.196  | 6.44 |
| SoilWater | C | 2/6/2015  | W | T | 5 | 12 | A | 0.15   | 18.58  | 18.09  | 0.181  | 6.27 |
| SoilWater | C | 2/6/2015  | W | T | 6 | 12 | A | 0.05   | 17.36  | 15.02  | 0.291  | 6.11 |
| SoilWater | C | 2/6/2015  | W | T | 6 | 36 | A | 123.55 | 0.20   | 0.21   | 20.970 | 7.13 |
| SoilWater | C | 2/12/2015 | W | C | 1 | 12 | S | 0.05   | 15.14  | 12.66  | 0.308  | 6.55 |
| SoilWater | C | 2/12/2015 | W | C | 1 | 24 | S | 0.05   | 12.29  | 10.06  | 0.204  | 6.42 |
| SoilWater | C | 2/12/2015 | W | C | 2 | 12 | S | 0.05   | 22.27  | 21.51  | 0.651  | 6.50 |
| SoilWater | C | 2/12/2015 | W | C | 3 | 12 | S | 0.05   | 9.20   | 8.79   | 0.324  | 7.22 |
| SoilWater | C | 2/12/2015 | W | C | 4 | 12 | S | 0.05   | 14.20  | 13.01  | 0.425  | 6.94 |
| SoilWater | C | 2/12/2015 | W | T | 3 | 12 | A | 0.05   | 16.00  | 16.47  | 0.525  | 6.83 |
| SoilWater | C | 2/12/2015 | W | T | 4 | 24 | A | 0.05   | 28.15  | 27.08  | 0.477  | 7.22 |
| SoilWater | C | 2/12/2015 | W | T | 5 | 12 | A | 0.05   | 25.46  | 26.63  | 0.469  | 6.77 |
| SoilWater | C | 3/6/2015  | W | C | 4 | 12 | S | 0.05   | 26.97  | 16.09  | 0.162  | 6.05 |
| SoilWater | C | 3/6/2015  | W | C | 4 | 24 | S | 0.05   | 26.94  | 13.76  | 0.284  | 7.15 |
| SoilWater | C | 3/6/2015  | W | C | 5 | 12 | S | 0.62   | 2.73   | 2.05   | 0.963  | 6.87 |
| SoilWater | C | 3/17/2015 | W | C | 1 | 12 | S | 0.05   | 31.52  | 18.92  | 0.128  | 5.88 |
| SoilWater | C | 3/17/2015 | W | C | 1 | 24 | S | 0.05   | 10.13  | 4.84   | 0.099  | 5.97 |
| SoilWater | C | 3/17/2015 | W | C | 2 | 12 | S | 12.13  | 200.98 | 144.79 | 4.653  | 6.08 |
| SoilWater | C | 3/17/2015 | W | C | 3 | 12 | S | 0.05   | 10.76  | 6.68   | 0.149  | 5.64 |
| SoilWater | C | 3/17/2015 | W | C | 3 | 36 | S | 0.05   | 16.54  | 15.75  | 0.251  | 5.89 |

|               |             |             |               |             |            |              |            |            |           |           |            |           |
|---------------|-------------|-------------|---------------|-------------|------------|--------------|------------|------------|-----------|-----------|------------|-----------|
| SoilWater     | C           | 3/17/2015   | W             | C           | 4          | 12           | S          | 0.05       | 16.38     | 14.69     | 0.234      | 5.63      |
| SoilWater     | C           | 3/17/2015   | W             | C           | 5          | 12           | S          | 11.39      | 62.71     | 42.36     | 2.595      | 6.16      |
| SoilWater     | C           | 3/17/2015   | W             | T           | 1          | 12           | A          | 0.27       | 34.78     | 27.51     | 0.195      | 6.05      |
| SoilWater     | C           | 3/17/2015   | W             | T           | 3          | 12           | A          | 0.05       | 41.92     | 33.28     | 0.125      | 6.06      |
| SoilWater     | C           | 3/17/2015   | W             | T           | 5          | 12           | A          | 0.05       | 81.40     | 49.61     | 0.113      | 6.10      |
| SoilWater     | C           | 3/17/2015   | W             | T           | 6          | 12           | A          | 0.05       | 105.58    | 62.97     | 0.601      | 6.12      |
| SoilWater     | C           | 3/26/2015   | W             | C           | 1          | 24           | S          | 0.05       | 12.45     | 4.88      | 0.182      | 6.43      |
| SoilWater     | C           | 3/26/2015   | W             | C           | 2          | 36           | S          | 0.05       | 32.52     | 16.47     | 0.132      | 6.44      |
| SoilWater     | C           | 3/26/2015   | W             | C           | 3          | 12           | S          | 0.33       | 327.04    | 195.71    | 2.274      | 6.20      |
| SoilWater     | C           | 3/26/2015   | W             | C           | 4          | 12           | S          | 0.05       | 21.42     | 11.75     | 0.404      | 6.33      |
| SoilWater     | C           | 3/26/2015   | W             | T           | 3          | 12           | A          | 0.11       | 93.42     | 62.80     | 0.474      | 6.30      |
| SoilWater     | C           | 3/26/2015   | W             | T           | 4          | 24           | A          | 0.05       | 48.75     | 26.92     | 8.275      | 6.57      |
| SoilWater     | C           | 4/2/2015    | W             | C           | 4          | 12           | S          | 0.05       | 16.93     | 11.37     | 0.511      | 6.28      |
| SoilWater     | C           | 4/2/2015    | W             | C           | 5          | 12           | S          | 2.41       |           | 37.06     | 2.191      | 6.62      |
| <b>Medium</b> | <b>Site</b> | <b>Date</b> | <b>Season</b> | <b>Plot</b> | <b>Loc</b> | <b>Depth</b> | <b>Trt</b> | <b>NH3</b> | <b>TN</b> | <b>P1</b> | <b>NO3</b> | <b>pH</b> |
| SoilWater     | D           | 12/4/2013   | F             | T           | 1          | 12           | A          | 0.05       | 80.65     | 0.172     | 41.84      | 6.82      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 1          | 24           | A          | 0.05       | 61.93     | 0.069     | 40.08      | 6.13      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 1          | 36           | A          | 0.10       | 52.09     | 0.513     | 41.43      | 6.43      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 2          | 12           | A          | 0.05       | 92.27     | 0.321     | 46.74      | 5.99      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 3          | 24           | A          | 0.05       | 26.03     | 0.193     | 20.92      | 6.27      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 3          | 36           | A          | 0.05       | 31.33     | 0.203     | 20.68      | 6.54      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 4          | 12           | A          | 0.05       | 62.04     | 0.121     | 51.59      | 6.66      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 5          | 12           | A          | 0.05       | 65.27     | 0.179     | 20.39      | 6.99      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 6          | 12           | A          | 0.05       | 56.24     | 0.205     | 38.27      | 6.25      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 6          | 24           | A          | 0.05       | 40.49     | 0.235     | 32.60      | 6.13      |
| SoilWater     | D           | 12/4/2013   | F             | T           | 6          | 36           | A          | 0.05       | 45.45     | 0.147     | 34.69      | 6.16      |
| SoilWater     | D           | 1/6/2014    | W             | T           | 3          | 12           | A          | 0.05       | 38.60     | 0.272     | 39.38      | 6.46      |
| SoilWater     | D           | 1/6/2014    | W             | T           | 3          | 24           | A          | 0.05       | 37.90     | 0.366     | 40.47      | 6.49      |
| SoilWater     | D           | 1/6/2014    | W             | T           | 5          | 12           | A          | 0.05       | 90.60     | 0.291     | 88.09      | 6.55      |
| SoilWater     | D           | 1/6/2014    | W             | T           | 5          | 24           | A          | 0.25       | 147.00    | 0.987     | 147.00     |           |

|           |   |           |   |   |   |    |   |      |        |       |        |      |
|-----------|---|-----------|---|---|---|----|---|------|--------|-------|--------|------|
| SoilWater | D | 1/6/2014  | W | T | 6 | 12 | A | 0.05 | 71.60  | 0.376 | 67.14  | 6.29 |
| SoilWater | D | 1/6/2014  | W | T | 6 | 24 | A | 0.05 | 55.30  | 0.365 | 54.05  | 6.19 |
| SoilWater | D | 1/6/2014  | W | T | 6 | 36 | A | 0.05 | 57.90  | 0.654 | 60.84  | 6.23 |
| SoilWater | D | 1/9/2014  | W | T | 1 | 12 | A | 0.05 | 67.10  | 0.159 | 62.83  | 5.97 |
| SoilWater | D | 1/9/2014  | W | T | 1 | 24 | A | 0.05 | 43.30  | 0.093 | 39.69  | 5.75 |
| SoilWater | D | 1/9/2014  | W | T | 1 | 36 | A | 0.17 | 89.10  | 0.151 | 74.68  | 5.64 |
| SoilWater | D | 1/9/2014  | W | T | 2 | 12 | A | 0.05 | 96.50  | 0.195 | 77.22  | 5.73 |
| SoilWater | D | 1/9/2014  | W | T | 4 | 12 | A | 0.05 | 44.00  | 0.106 | 42.33  | 5.82 |
| SoilWater | D | 1/9/2014  | W | T | 4 | 36 | A | 0.05 | 198.00 | 0.099 | 134.80 | 6.31 |
| SoilWater | D | 2/14/2014 | W | T | 1 | 12 | A | 0.13 |        | 0.286 | 61.70  | 6.75 |
| SoilWater | D | 2/14/2014 | W | T | 1 | 24 | A | 0.12 | 43.10  | 0.060 | 50.10  | 6.73 |
| SoilWater | D | 2/14/2014 | W | T | 2 | 24 | A | 0.16 | 29.10  | 0.545 | 59.10  | 6.52 |
| SoilWater | D | 2/14/2014 | W | T | 3 | 36 | A | 0.56 |        | 0.212 | 61.30  | 7.25 |
| SoilWater | D | 2/14/2014 | W | T | 4 | 12 | A | 0.05 | 34.70  | 0.124 | 46.20  | 6.71 |
| SoilWater | D | 2/14/2014 | W | T | 5 | 12 | A | 0.57 |        | 0.364 | 149.00 | 6.96 |
| SoilWater | D | 2/14/2014 | W | T | 6 | 12 | A | 1.02 | 54.80  | 0.242 | 88.70  | 6.73 |
| SoilWater | D | 2/14/2014 | W | T | 6 | 24 | A | 0.53 | 38.60  | 0.156 | 54.40  | 6.59 |
| SoilWater | D | 2/14/2014 | W | T | 6 | 36 | A | 0.51 | 48.30  | 0.123 | 69.10  | 6.57 |
| SoilWater | D | 3/10/2014 | W | T | 1 | 12 | A | 0.05 | 48.63  | 0.182 | 54.46  | 6.65 |
| SoilWater | D | 3/10/2014 | W | T | 1 | 24 | A | 0.05 | 26.82  | 0.144 | 30.26  | 7.23 |
| SoilWater | D | 3/10/2014 | W | T | 1 | 36 | A | 0.05 | 41.01  | 0.076 | 50.09  | 6.63 |
| SoilWater | D | 3/10/2014 | W | T | 2 | 12 | A | 0.05 | 70.08  | 0.204 | 82.07  | 6.36 |
| SoilWater | D | 3/10/2014 | W | T | 3 | 24 | A | 0.05 | 48.50  | 0.192 | 53.95  | 6.37 |
| SoilWater | D | 3/10/2014 | W | T | 3 | 36 | A | 0.05 | 42.05  | 0.192 | 48.05  | 6.60 |
| SoilWater | D | 3/10/2014 | W | T | 4 | 12 | A | 0.05 | 30.36  | 0.134 | 32.82  | 6.36 |
| SoilWater | D | 3/10/2014 | W | T | 4 | 24 | A | 0.05 |        | 0.186 | 46.68  |      |
| SoilWater | D | 3/10/2014 | W | T | 5 | 12 | A | 0.05 | 71.16  | 0.215 | 78.02  | 6.67 |
| SoilWater | D | 3/10/2014 | W | T | 5 | 36 | A | 0.05 | 51.28  | 0.145 | 54.35  | 6.59 |
| SoilWater | D | 3/10/2014 | W | T | 6 | 12 | A | 0.05 | 64.19  | 0.286 | 72.48  | 6.45 |
| SoilWater | D | 3/10/2014 | W | T | 6 | 24 | A | 0.05 | 48.33  | 0.398 | 51.80  | 6.28 |

|           |   |           |    |   |   |    |   |      |       |       |       |      |
|-----------|---|-----------|----|---|---|----|---|------|-------|-------|-------|------|
| SoilWater | D | 3/10/2014 | W  | T | 6 | 36 | A | 0.05 | 41.81 | 0.249 | 51.36 | 6.22 |
| SoilWater | D | 4/3/2014  | SP | T | 1 | 12 | A | 0.05 | 49.41 | 0.265 | 52.31 | 6.70 |
| SoilWater | D | 4/3/2014  | SP | T | 2 | 12 | A | 0.19 |       | 0.309 | 90.15 | 6.45 |
| SoilWater | D | 4/3/2014  | SP | T | 3 | 24 | A | 0.05 | 42.70 | 0.366 | 40.96 | 6.42 |
| SoilWater | D | 4/3/2014  | SP | T | 4 | 12 | A | 0.05 | 31.82 | 0.214 | 32.04 | 6.52 |
| SoilWater | D | 4/3/2014  | SP | T | 5 | 12 | A | 0.07 | 77.12 | 0.296 | 83.13 | 6.71 |
| SoilWater | D | 4/23/2014 | SP | T | 3 | 24 | A | 0.05 | 49.63 | 0.419 | 39.94 | 6.44 |
| SoilWater | D | 4/23/2014 | SP | T | 3 | 36 | A | 0.05 | 61.67 | 0.439 | 65.41 | 6.78 |
| SoilWater | D | 4/23/2014 | SP | T | 5 | 12 | A | 0.05 |       | 0.498 | 85.67 | 7.31 |
| SoilWater | D | 4/23/2014 | SP | T | 6 | 12 | A | 0.05 | 97.59 | 0.596 | 74.08 | 6.20 |
| SoilWater | D | 4/23/2014 | SP | T | 6 | 24 | A | 0.05 | 55.19 | 0.527 | 43.92 | 6.29 |
| SoilWater | D | 4/23/2014 | SP | T | 6 | 36 | A | 0.05 | 65.16 | 0.357 | 47.72 | 6.42 |
| SoilWater | D | 5/15/2014 | SP | T | 1 | 24 | A | 0.05 |       | 0.207 | 8.13  | 7.45 |
| SoilWater | D | 5/15/2014 | SP | T | 3 | 24 | A | 0.05 | 58.09 | 0.067 | 64.40 | 6.53 |
| SoilWater | D | 5/15/2014 | SP | T | 3 | 36 | A | 0.05 | 33.03 | 0.018 | 36.35 | 6.26 |
| SoilWater | D | 5/15/2014 | SP | T | 4 | 12 | A | 0.05 | 13.41 | 0.045 | 14.79 | 6.08 |
| SoilWater | D | 5/15/2014 | SP | T | 4 | 24 | A | 0.79 | 17.96 | 0.001 | 17.80 | 6.32 |
| SoilWater | D | 5/15/2014 | SP | T | 4 | 36 | A | 4.15 | 45.18 | 0.676 | 36.43 | 6.14 |
| SoilWater | D | 5/15/2014 | SP | T | 5 | 12 | A | 0.05 | 62.88 | 0.226 | 64.24 | 5.77 |
| SoilWater | D | 5/15/2014 | SP | T | 5 | 24 | A | 2.42 | 37.24 | 0.044 | 40.74 | 6.57 |
| SoilWater | D | 5/15/2014 | SP | T | 6 | 12 | A | 0.05 | 55.31 | 0.370 | 55.36 | 5.90 |
| SoilWater | D | 5/15/2014 | SP | T | 6 | 24 | A | 0.05 | 27.72 | 0.413 | 34.94 | 6.02 |
| SoilWater | D | 5/15/2014 | SP | T | 6 | 36 | A | 0.05 | 38.11 | 0.200 | 50.59 | 5.83 |
| SoilWater | D | 6/3/2014  | SP | T | 3 | 36 | A | 0.05 | 81.89 | 0.137 | 79.79 | 5.72 |
| SoilWater | D | 6/3/2014  | SP | T | 4 | 12 | A | 0.05 |       | 0.177 | 11.84 | 6.46 |
| SoilWater | D | 6/3/2014  | SP | T | 5 | 12 | A | 0.05 | 74.28 | 0.257 | 69.22 | 5.79 |
| SoilWater | D | 6/3/2014  | SP | T | 6 | 12 | A | 0.09 |       | 1.346 | 22.55 | 7.60 |
| SoilWater | D | 7/9/2014  | S  | T | 1 | 24 | A | 0.05 | 10.78 | 0.136 | 8.84  | 5.73 |
| SoilWater | D | 7/9/2014  | S  | T | 1 | 36 | A | 0.05 | 55.99 | 0.161 | 36.52 | 5.73 |
| SoilWater | D | 7/9/2014  | S  | T | 2 | 12 | A | 0.05 | 77.14 | 0.360 | 48.67 | 5.63 |

|           |   |            |   |   |   |    |   |      |        |       |       |      |
|-----------|---|------------|---|---|---|----|---|------|--------|-------|-------|------|
| SoilWater | D | 7/9/2014   | S | T | 3 | 24 | A | 0.05 | 13.60  | 2.756 | 27.59 | 6.29 |
| SoilWater | D | 7/9/2014   | S | T | 3 | 36 | A | 0.05 | 29.08  | 0.730 | 30.86 | 6.19 |
| SoilWater | D | 7/9/2014   | S | T | 4 | 12 | A | 0.05 | 5.72   | 0.150 | 5.36  | 5.83 |
| SoilWater | D | 7/9/2014   | S | T | 4 | 36 | A | 0.05 | 48.16  | 0.712 | 36.92 | 5.62 |
| SoilWater | D | 7/9/2014   | S | T | 5 | 12 | A | 0.06 | 8.91   | 1.480 | 7.89  | 6.35 |
| SoilWater | D | 7/9/2014   | S | T | 5 | 24 | A | 0.06 | 12.55  | 1.325 | 7.43  | 6.08 |
| SoilWater | D | 7/9/2014   | S | T | 6 | 12 | A | 0.31 | 28.34  | 0.156 | 24.87 | 5.66 |
| SoilWater | D | 7/25/2014  | S | T | 3 | 36 | A | 0.05 | 15.69  | 0.875 | 21.57 | 5.99 |
| SoilWater | D | 7/25/2014  | S | T | 6 | 12 | A | 0.05 | 5.72   | 1.627 | 5.71  | 6.20 |
| SoilWater | D | 7/25/2014  | S | T | 6 | 24 | A | 0.05 | 45.44  | 0.968 | 45.85 | 5.72 |
| SoilWater | D | 8/19/2014  | S | T | 1 | 36 | A | 0.05 | 46.83  | 0.115 | 43.35 | 5.51 |
| SoilWater | D | 8/19/2014  | S | T | 3 | 36 | A | 0.05 | 35.39  | 0.838 | 28.34 | 5.74 |
| SoilWater | D | 8/19/2014  | S | T | 4 | 36 | A | 0.05 | 42.87  | 0.818 | 42.47 | 5.61 |
| SoilWater | D | 8/19/2014  | S | T | 5 | 12 | A | 0.07 | 28.22  | 1.574 | 23.32 | 6.31 |
| SoilWater | D | 8/19/2014  | S | T | 6 | 12 | A | 0.05 | 39.44  | 1.756 | 29.48 | 5.83 |
| SoilWater | D | 9/4/2014   | S | T | 1 | 36 | A | 0.05 | 45.30  | 0.286 | 51.15 | 6.08 |
| SoilWater | D | 9/4/2014   | S | T | 3 | 24 | A | 0.05 | 25.26  | 1.781 | 27.16 | 6.08 |
| SoilWater | D | 9/4/2014   | S | T | 5 | 12 | A | 0.05 | 37.68  | 2.976 | 36.80 | 6.43 |
| SoilWater | D | 9/4/2014   | S | T | 5 | 36 | A | 0.05 | 51.74  | 0.144 | 52.13 | 5.70 |
| SoilWater | D | 9/4/2014   | S | T | 6 | 12 | A | 0.05 |        | 1.367 | 12.65 | 7.08 |
| SoilWater | D | 9/23/2014  | S | T | 1 | 36 | A | 0.05 | 46.07  | 0.177 | 44.04 | 5.59 |
| SoilWater | D | 9/23/2014  | S | T | 5 | 12 | A | 0.05 | 35.07  | 2.888 | 32.64 | 6.64 |
| SoilWater | D | 9/23/2014  | S | T | 5 | 36 | A | 0.05 | 51.40  | 0.113 | 46.70 | 5.77 |
| SoilWater | D | 10/17/2014 | F | T | 5 | 12 | A | 0.05 | 37.35  | 3.175 | 32.36 | 6.34 |
| SoilWater | D | 10/23/2014 | F | T | 1 | 36 | A | 0.16 | 46.13  | 0.603 | 38.85 | 6.95 |
| SoilWater | D | 10/23/2014 | F | T | 2 | 12 | A | 0.25 | 79.71  | 0.987 | 57.19 | 6.32 |
| SoilWater | D | 10/23/2014 | F | T | 3 | 24 | A | 0.05 | 81.15  | 1.056 | 78.55 | 6.20 |
| SoilWater | D | 10/23/2014 | F | T | 3 | 36 | A | 0.13 | 112.11 | 0.409 | 93.31 | 5.86 |
| SoilWater | D | 10/23/2014 | F | T | 4 | 12 | A | 0.20 | 20.92  | 0.501 | 19.11 | 6.10 |
| SoilWater | D | 10/23/2014 | F | T | 5 | 12 | A | 0.10 | 75.27  | 1.827 | 63.65 | 6.22 |

|           |   |            |   |   |   |    |   |      |        |       |        |      |
|-----------|---|------------|---|---|---|----|---|------|--------|-------|--------|------|
| SoilWater | D | 10/23/2014 | F | T | 5 | 24 | A | 0.12 | 46.07  | 0.564 | 40.47  | 6.44 |
| SoilWater | D | 10/23/2014 | F | T | 6 | 12 | A | 0.05 | 87.74  | 0.952 | 69.76  | 6.06 |
| SoilWater | D | 10/23/2014 | F | T | 6 | 24 | A | 0.11 | 79.09  | 0.628 | 73.30  | 5.82 |
| SoilWater | D | 10/23/2014 | F | T | 6 | 36 | A | 0.12 | 120.25 | 0.454 | 106.10 | 5.96 |
| SoilWater | D | 10/31/2014 | F | T | 1 | 36 | A | 0.05 | 43.42  | 0.678 | 32.06  | 5.91 |
| SoilWater | D | 10/31/2014 | F | T | 2 | 12 | A | 0.05 | 90.26  | 0.870 | 61.04  | 6.12 |
| SoilWater | D | 10/31/2014 | F | T | 3 | 24 | A | 0.05 | 53.13  | 0.671 | 34.21  | 5.90 |
| SoilWater | D | 10/31/2014 | F | T | 3 | 36 | A | 0.05 | 100.20 | 0.496 | 90.19  | 5.95 |
| SoilWater | D | 10/31/2014 | F | T | 4 | 12 | A | 0.05 | 41.70  | 0.739 | 21.09  | 6.31 |
| SoilWater | D | 10/31/2014 | F | T | 6 | 12 | A | 0.05 | 110.90 | 0.824 | 68.86  | 5.85 |
| SoilWater | D | 10/31/2014 | F | T | 6 | 24 | A | 0.05 | 94.01  | 0.612 | 81.60  | 5.80 |
| SoilWater | D | 10/31/2014 | F | T | 6 | 36 | A | 0.05 | 169.82 | 0.639 | 140.11 | 5.72 |
| SoilWater | D | 11/6/2014  | F | T | 1 | 24 | A | 0.05 | 21.36  | 0.994 | 15.53  | 6.65 |
| SoilWater | D | 11/6/2014  | F | T | 1 | 36 | A | 0.05 | 53.83  | 0.344 | 38.64  | 5.78 |
| SoilWater | D | 11/6/2014  | F | T | 2 | 12 | A | 0.05 | 115.99 | 0.674 | 58.07  | 5.86 |
| SoilWater | D | 11/6/2014  | F | T | 3 | 24 | A | 0.05 | 21.63  | 1.020 | 13.56  | 6.33 |
| SoilWater | D | 11/6/2014  | F | T | 3 | 36 | A | 0.05 | 153.43 | 0.509 | 75.81  | 5.91 |
| SoilWater | D | 11/6/2014  | F | T | 4 | 12 | A | 0.05 | 43.50  | 0.439 | 21.88  | 6.00 |
| SoilWater | D | 11/6/2014  | F | T | 5 | 12 | A | 0.05 | 72.79  | 1.641 | 62.23  | 6.44 |
| SoilWater | D | 11/6/2014  | F | T | 6 | 12 | A | 0.05 | 122.24 | 0.693 | 50.11  | 5.91 |
| SoilWater | D | 11/6/2014  | F | T | 6 | 24 | A | 0.05 | 89.35  | 0.397 | 81.47  | 5.64 |
| SoilWater | D | 11/6/2014  | F | T | 6 | 36 | A | 0.05 | 333.20 | 0.379 | 141.81 | 5.62 |
| SoilWater | D | 11/25/2014 | F | T | 2 | 12 | A | 0.34 | 53.56  | 3.833 | 54.60  | 6.32 |
| SoilWater | D | 11/25/2014 | F | T | 3 | 24 | A | 0.05 | 19.15  | 0.819 | 18.64  | 6.13 |
| SoilWater | D | 11/25/2014 | F | T | 3 | 36 | A | 0.27 | 88.06  | 0.481 | 78.79  | 6.48 |
| SoilWater | D | 11/25/2014 | F | T | 4 | 12 | A | 0.05 | 22.28  | 2.183 | 22.80  | 7.04 |
| SoilWater | D | 11/25/2014 | F | T | 6 | 12 | A | 0.05 | 45.97  | 1.037 | 43.96  | 6.27 |
| SoilWater | D | 11/25/2014 | F | T | 6 | 24 | A | 0.05 | 82.40  | 0.529 | 84.54  | 5.96 |
| SoilWater | D | 11/25/2014 | F | T | 6 | 36 | A | 0.05 | 173.87 | 0.463 | 136.78 | 5.84 |
| SoilWater | D | 12/3/2014  | F | T | 1 | 36 | A | 0.05 | 50.85  | 0.167 | 47.58  | 6.81 |

|           |   |            |   |   |   |    |   |      |        |       |        |      |
|-----------|---|------------|---|---|---|----|---|------|--------|-------|--------|------|
| SoilWater | D | 12/3/2014  | F | T | 2 | 12 | A | 0.06 | 42.38  | 0.273 | 38.30  | 6.75 |
| SoilWater | D | 12/3/2014  | F | T | 3 | 36 | A | 0.05 | 60.93  | 0.257 | 56.62  | 6.68 |
| SoilWater | D | 12/3/2014  | F | T | 4 | 12 | A | 0.05 | 45.75  | 0.216 | 69.36  | 6.63 |
| SoilWater | D | 12/3/2014  | F | T | 4 | 24 | A | 0.63 | 88.13  | 0.238 | 196.48 | 6.74 |
| SoilWater | D | 12/3/2014  | F | T | 4 | 36 | A | 0.25 | 250.32 | 0.269 | 225.75 | 6.20 |
| SoilWater | D | 12/3/2014  | F | T | 5 | 12 | A | 0.05 | 44.71  | 1.040 | 27.87  | 6.84 |
| SoilWater | D | 12/3/2014  | F | T | 5 | 36 | A | 0.06 | 32.29  | 0.276 | 36.22  | 6.64 |
| SoilWater | D | 12/3/2014  | F | T | 6 | 24 | A | 0.05 | 77.05  | 0.414 | 72.72  | 6.68 |
| SoilWater | D | 12/3/2014  | F | T | 6 | 36 | A | 0.05 | 62.16  | 0.288 | 62.42  | 6.40 |
| SoilWater | D | 12/8/2014  | F | T | 1 | 36 | A | 0.05 | 41.50  | 0.948 | 41.33  | 7.25 |
| SoilWater | D | 12/8/2014  | F | T | 2 | 12 | A | 0.05 | 41.96  | 0.398 | 34.25  | 7.02 |
| SoilWater | D | 12/8/2014  | F | T | 3 | 24 | A | 0.05 | 13.59  | 1.145 | 12.48  | 6.72 |
| SoilWater | D | 12/8/2014  | F | T | 3 | 36 | A | 0.05 | 48.82  | 0.600 | 63.35  | 7.07 |
| SoilWater | D | 12/8/2014  | F | T | 4 | 12 | A | 0.05 | 48.20  | 0.281 | 42.85  | 7.13 |
| SoilWater | D | 12/8/2014  | F | T | 6 | 12 | A | 0.05 | 22.19  | 0.767 | 20.41  | 6.64 |
| SoilWater | D | 12/8/2014  | F | T | 6 | 24 | A | 0.05 | 56.76  | 0.605 | 51.47  | 7.35 |
| SoilWater | D | 12/15/2014 | F | T | 1 | 36 | A | 0.05 | 39.34  | 0.269 | 29.03  | 6.58 |
| SoilWater | D | 12/15/2014 | F | T | 2 | 12 | A | 0.05 | 35.34  | 0.452 | 24.23  | 6.54 |
| SoilWater | D | 12/15/2014 | F | T | 3 | 24 | A | 0.05 | 12.01  | 0.871 | 9.65   | 6.63 |
| SoilWater | D | 12/15/2014 | F | T | 3 | 36 | A | 0.05 | 30.50  | 0.402 | 27.62  | 6.47 |
| SoilWater | D | 12/15/2014 | F | T | 4 | 12 | A | 0.05 | 53.78  | 0.266 | 34.83  | 6.54 |
| SoilWater | D | 12/15/2014 | F | T | 4 | 36 | A | 0.05 | 126.43 | 0.194 | 122.09 | 6.16 |
| SoilWater | D | 12/15/2014 | F | T | 5 | 12 | A | 0.05 | 59.92  | 0.806 | 40.88  | 6.79 |
| SoilWater | D | 12/15/2014 | F | T | 6 | 12 | A | 0.05 | 16.75  | 0.900 | 11.59  | 6.57 |
| SoilWater | D | 12/15/2014 | F | T | 6 | 24 | A | 0.05 | 51.92  | 0.680 | 39.16  | 6.36 |
| SoilWater | D | 12/15/2014 | F | T | 6 | 36 | A | 0.05 | 45.16  | 0.640 | 45.01  | 6.27 |
| SoilWater | D | 12/31/2014 | F | T | 1 | 36 | A | 0.05 | 28.14  | 0.387 | 25.93  | 6.01 |
| SoilWater | D | 12/31/2014 | F | T | 2 | 12 | A | 0.05 | 25.81  | 0.387 | 22.96  | 6.46 |
| SoilWater | D | 12/31/2014 | F | T | 3 | 24 | A | 0.05 | 14.90  | 0.793 | 14.30  | 6.07 |
| SoilWater | D | 12/31/2014 | F | T | 3 | 36 | A | 0.05 | 26.19  | 0.569 | 26.03  | 6.16 |

|           |   |            |   |   |   |    |   |      |       |       |       |      |
|-----------|---|------------|---|---|---|----|---|------|-------|-------|-------|------|
| SoilWater | D | 12/31/2014 | F | T | 4 | 12 | A | 0.05 | 26.01 | 0.287 | 26.81 | 6.06 |
| SoilWater | D | 12/31/2014 | F | T | 4 | 36 | A | 0.05 | 69.45 | 0.248 | 59.95 | 5.84 |
| SoilWater | D | 12/31/2014 | F | T | 5 | 12 | A | 0.05 | 25.22 | 0.736 | 21.50 | 6.36 |
| SoilWater | D | 12/31/2014 | F | T | 5 | 24 | A | 0.05 | 15.28 | 0.282 | 14.30 | 6.41 |
| SoilWater | D | 12/31/2014 | F | T | 6 | 12 | A | 0.05 | 22.64 | 0.801 | 11.95 | 5.80 |
| SoilWater | D | 12/31/2014 | F | T | 6 | 24 | A | 0.05 | 30.92 | 0.677 | 27.81 | 5.74 |
| SoilWater | D | 12/31/2014 | F | T | 6 | 36 | A | 0.05 | 35.80 | 0.702 | 32.66 | 5.80 |
| SoilWater | D | 1/8/2015   | W | T | 1 | 36 | A | 0.05 | 18.98 | 0.278 | 16.31 | 6.41 |
| SoilWater | D | 1/8/2015   | W | T | 3 | 24 | A | 0.05 | 10.26 | 0.669 | 8.61  | 6.69 |
| SoilWater | D | 1/8/2015   | W | T | 4 | 12 | A | 0.05 | 22.52 | 0.032 | 17.94 | 6.53 |
| SoilWater | D | 1/8/2015   | W | T | 4 | 36 | A | 0.05 | 35.28 | 0.032 | 24.63 | 6.35 |
| SoilWater | D | 1/8/2015   | W | T | 6 | 12 | A | 0.05 | 13.06 | 0.849 | 7.84  | 6.44 |
| SoilWater | D | 1/8/2015   | W | T | 6 | 24 | A | 0.05 | 23.96 | 0.425 | 20.07 | 6.35 |
| SoilWater | D | 1/8/2015   | W | T | 6 | 36 | A | 0.05 | 23.69 | 0.691 | 18.52 | 6.41 |
| SoilWater | D | 1/22/2015  | W | T | 3 | 24 | A | 0.05 | 13.91 | 0.798 | 10.65 | 6.52 |
| SoilWater | D | 1/22/2015  | W | T | 3 | 36 | A | 0.05 | 32.55 | 0.218 | 20.24 | 6.44 |
| SoilWater | D | 1/22/2015  | W | T | 4 | 12 | A | 0.05 | 21.10 | 0.175 | 14.68 | 6.64 |
| SoilWater | D | 1/22/2015  | W | T | 4 | 36 | A | 0.05 | 31.46 | 0.041 | 26.94 | 6.39 |
| SoilWater | D | 1/22/2015  | W | T | 6 | 12 | A | 0.05 | 11.06 | 0.739 | 11.42 | 6.43 |
| SoilWater | D | 1/22/2015  | W | T | 6 | 24 | A | 0.05 | 18.56 | 0.561 | 18.42 | 6.29 |
| SoilWater | D | 1/22/2015  | W | T | 6 | 36 | A | 0.05 | 23.56 | 0.631 | 21.39 | 6.32 |
| SoilWater | D | 2/6/2015   | W | T | 1 | 36 | A | 0.05 | 17.86 | 0.438 | 13.70 | 6.55 |
| SoilWater | D | 2/6/2015   | W | T | 2 | 12 | A | 0.05 | 12.88 | 0.308 | 10.40 | 7.04 |
| SoilWater | D | 2/6/2015   | W | T | 4 | 12 | A | 0.05 | 16.80 | 0.191 | 12.61 | 6.30 |
| SoilWater | D | 2/6/2015   | W | T | 4 | 24 | A | 0.05 | 21.08 | 0.271 | 17.28 | 6.43 |
| SoilWater | D | 2/6/2015   | W | T | 4 | 36 | A | 0.05 | 22.90 | 0.126 | 23.40 | 6.17 |
| SoilWater | D | 2/6/2015   | W | T | 5 | 24 | A | 0.05 | 14.26 | 0.579 | 12.05 | 6.39 |
| SoilWater | D | 2/6/2015   | W | T | 6 | 12 | A | 0.05 | 17.77 | 0.833 | 13.03 | 6.08 |
| SoilWater | D | 2/6/2015   | W | T | 6 | 24 | A | 0.05 | 24.34 | 0.655 | 18.47 | 6.38 |
| SoilWater | D | 2/12/2015  | W | T | 1 | 36 | A | 0.05 | 9.52  | 1.273 | 8.41  | 6.40 |

|           |   |           |   |   |   |    |   |        |        |        |        |      |
|-----------|---|-----------|---|---|---|----|---|--------|--------|--------|--------|------|
| SoilWater | D | 2/12/2015 | W | T | 2 | 12 | A | 0.05   | 17.36  | 0.450  | 13.80  | 6.22 |
| SoilWater | D | 2/12/2015 | W | T | 3 | 24 | A | 0.05   | 16.65  | 0.805  | 11.65  | 6.30 |
| SoilWater | D | 2/12/2015 | W | T | 3 | 36 | A | 0.05   | 25.43  | 0.461  | 23.18  | 6.14 |
| SoilWater | D | 2/12/2015 | W | T | 4 | 12 | A | 0.05   | 17.26  | 0.368  | 13.14  | 6.42 |
| SoilWater | D | 2/12/2015 | W | T | 5 | 12 | A | 0.05   | 20.57  | 0.475  | 16.59  | 6.51 |
| SoilWater | D | 2/12/2015 | W | T | 5 | 24 | A | 0.05   | 13.75  | 0.515  | 10.14  | 6.67 |
| SoilWater | D | 2/12/2015 | W | T | 6 | 12 | A | 0.05   | 17.54  | 0.907  | 14.20  | 6.37 |
| SoilWater | D | 2/12/2015 | W | T | 6 | 24 | A | 0.05   | 19.45  | 0.914  | 20.13  | 6.25 |
| SoilWater | D | 2/12/2015 | W | T | 6 | 36 | A | 0.05   | 28.32  | 0.822  | 25.76  | 6.20 |
| SoilWater | D | 3/6/2015  | W | T | 1 | 36 | A | 238.63 | 0.24   | 12.160 | 0.28   | 8.06 |
| SoilWater | D | 3/6/2015  | W | T | 2 | 12 | A | 1.26   | 33.30  | 0.175  | 13.43  | 7.04 |
| SoilWater | D | 3/6/2015  | W | T | 5 | 12 | A | 49.32  | 55.18  | 4.053  | 9.97   | 7.62 |
| SoilWater | D | 3/6/2015  | W | T | 5 | 36 | A | 334.88 | 0.75   | 11.930 | 0.51   | 7.98 |
| SoilWater | D | 3/6/2015  | W | T | 6 | 36 | A | 44.99  | 45.62  | 4.566  | 12.07  | 7.58 |
| SoilWater | D | 3/17/2015 | W | T | 1 | 36 | A | 59.95  | 195.67 | 5.501  | 166.76 | 7.34 |
| SoilWater | D | 3/17/2015 | W | T | 2 | 12 | A | 0.19   | 20.90  | 0.130  | 15.09  | 6.10 |
| SoilWater | D | 3/17/2015 | W | T | 3 | 24 | A | 0.14   | 32.35  | 1.104  | 30.37  | 6.18 |
| SoilWater | D | 3/17/2015 | W | T | 3 | 36 | A | 0.05   | 53.81  | 0.475  | 28.14  | 6.13 |
| SoilWater | D | 3/17/2015 | W | T | 4 | 12 | A | 1.12   | 12.97  | 0.274  | 5.51   | 6.27 |
| SoilWater | D | 3/17/2015 | W | T | 4 | 24 | A | 0.05   | 22.14  | 0.165  | 16.77  | 6.40 |
| SoilWater | D | 3/17/2015 | W | T | 4 | 36 | A | 0.05   | 31.84  | 0.125  | 22.30  | 6.03 |
| SoilWater | D | 3/17/2015 | W | T | 5 | 12 | A | 37.83  | 61.74  | 3.064  | 17.77  | 7.21 |
| SoilWater | D | 3/17/2015 | W | T | 5 | 24 | A | 0.41   | 21.80  | 0.227  | 14.22  | 6.50 |
| SoilWater | D | 3/17/2015 | W | T | 6 | 12 | A | 0.05   | 29.12  | 0.970  | 16.80  | 6.13 |
| SoilWater | D | 3/17/2015 | W | T | 6 | 24 | A | 0.05   | 66.33  | 0.819  | 34.21  | 5.97 |
| SoilWater | D | 3/17/2015 | W | T | 6 | 36 | A | 19.15  | 149.91 | 2.474  | 79.62  | 6.86 |
| SoilWater | D | 3/26/2015 | W | T | 1 | 36 | A | 30.09  | 150.29 | 9.334  | 94.60  | 6.88 |
| SoilWater | D | 3/26/2015 | W | T | 2 | 12 | A | 0.11   | 27.00  | 0.171  | 15.69  | 6.07 |
| SoilWater | D | 3/26/2015 | W | T | 4 | 12 | A | 0.69   | 9.21   | 0.361  | 3.06   | 6.52 |
| SoilWater | D | 3/26/2015 | W | T | 5 | 12 | A | 43.13  | 61.73  | 2.971  | 16.29  | 7.25 |

|           |   |           |    |   |   |    |   |       |        |        |       |      |
|-----------|---|-----------|----|---|---|----|---|-------|--------|--------|-------|------|
| SoilWater | D | 3/26/2015 | W  | T | 6 | 12 | A | 0.05  | 8.75   | 0.946  | 6.36  | 6.19 |
| SoilWater | D | 3/26/2015 | W  | T | 6 | 24 | A | 0.05  | 74.82  | 0.663  | 36.65 | 6.03 |
| SoilWater | D | 3/26/2015 | W  | T | 6 | 36 | A | 11.69 | 140.84 | 2.098  | 82.58 | 6.63 |
| SoilWater | D | 4/2/2015  | SP | T | 2 | 12 | A | 0.05  | 28.17  | 0.193  | 13.12 | 6.07 |
| SoilWater | D | 4/2/2015  | SP | T | 3 | 24 | A | 0.05  | 27.28  | 0.591  | 9.47  | 6.26 |
| SoilWater | D | 4/2/2015  | SP | T | 3 | 36 | A | 0.05  | 57.63  | 0.301  | 24.77 | 5.94 |
| SoilWater | D | 4/2/2015  | SP | T | 4 | 12 | A | 5.42  | 7.94   | 0.580  | 2.16  | 6.92 |
| SoilWater | D | 4/2/2015  | SP | T | 5 | 12 | A | 44.53 | 42.27  | 3.077  | 11.76 | 7.05 |
| SoilWater | D | 4/2/2015  | SP | T | 6 | 12 | A | 0.05  | 10.67  | 0.795  | 4.10  | 6.25 |
| SoilWater | D | 4/2/2015  | SP | T | 6 | 24 | A | 0.05  | 45.07  | 0.574  | 30.04 | 6.04 |
| SoilWater | D | 4/21/2015 | SP | T | 2 | 12 | A | 0.05  | 38.17  | 0.102  | 15.65 | 5.25 |
| SoilWater | D | 4/21/2015 | SP | T | 2 | 36 | A | 0.26  |        | 0.746  | 6.16  | 6.17 |
| SoilWater | D | 4/21/2015 | SP | T | 3 | 36 | A | 0.06  | 57.71  | 0.522  | 19.52 | 5.77 |
| SoilWater | D | 4/21/2015 | SP | T | 4 | 12 | A | 2.07  | 11.89  | 1.068  | 4.75  | 5.67 |
| SoilWater | D | 4/21/2015 | SP | T | 5 | 12 | A | 39.30 | 17.53  | 3.843  | 8.93  | 7.46 |
| SoilWater | D | 4/30/2015 | SP | T | 1 | 24 | A | 0.05  | 11.48  | 0.271  | 9.24  | 6.97 |
| SoilWater | D | 4/30/2015 | SP | T | 2 | 12 | A | 0.05  | 27.96  | 0.136  | 9.63  | 5.71 |
| SoilWater | D | 4/30/2015 | SP | T | 4 | 12 | A | 0.05  |        | 2.210  | 8.46  | 7.66 |
| SoilWater | D | 4/30/2015 | SP | T | 5 | 12 | A | 38.88 | 32.72  | 3.795  | 5.94  | 7.13 |
| SoilWater | D | 4/30/2015 | SP | T | 5 | 36 | A | 0.05  |        | 19.520 | 69.47 | 7.95 |
| SoilWater | D | 12/4/2013 | F  | C | 1 | 12 | S | 0.05  |        | 0.116  | 42.60 | 6.73 |
| SoilWater | D | 12/4/2013 | F  | C | 1 | 24 | S | 0.05  | 76.54  | 0.100  | 44.16 | 6.78 |
| SoilWater | D | 12/4/2013 | F  | C | 1 | 36 | S | 0.05  | 87.58  | 0.474  | 61.41 | 6.94 |
| SoilWater | D | 12/4/2013 | F  | C | 2 | 12 | S | 0.05  | 51.16  | 0.110  | 21.90 | 6.43 |
| SoilWater | D | 12/4/2013 | F  | C | 3 | 12 | S | 0.05  | 60.91  | 0.367  | 35.45 | 6.19 |
| SoilWater | D | 12/4/2013 | F  | C | 3 | 24 | S | 0.05  | 65.84  | 0.308  | 31.58 | 6.01 |
| SoilWater | D | 12/4/2013 | F  | C | 3 | 36 | S | 0.05  | 64.14  | 0.126  | 32.07 | 5.88 |
| SoilWater | D | 12/4/2013 | F  | C | 4 | 12 | S | 0.05  | 40.38  | 0.414  | 18.19 | 6.13 |
| SoilWater | D | 12/4/2013 | F  | C | 6 | 12 | S | 0.05  | 65.22  | 0.538  | 46.63 | 6.25 |
| SoilWater | D | 1/6/2014  | W  | C | 1 | 12 | S | 0.05  | 73.50  | 0.290  | 63.89 | 6.76 |

|           |   |           |    |   |   |    |   |      |        |       |       |      |
|-----------|---|-----------|----|---|---|----|---|------|--------|-------|-------|------|
| SoilWater | D | 1/6/2014  | W  | C | 1 | 24 | S | 0.05 | 80.60  | 0.285 | 71.20 | 6.78 |
| SoilWater | D | 1/6/2014  | W  | C | 1 | 36 | S | 0.05 | 96.70  | 0.309 | 76.90 | 6.67 |
| SoilWater | D | 1/9/2014  | W  | C | 2 | 12 | S | 0.05 | 43.90  | 0.195 | 40.79 | 5.65 |
| SoilWater | D | 1/9/2014  | W  | C | 2 | 24 | S | 0.10 | 88.00  | 0.191 | 72.76 | 6.03 |
| SoilWater | D | 1/9/2014  | W  | C | 2 | 36 | S | 0.05 | 104.00 | 0.080 | 91.25 | 5.61 |
| SoilWater | D | 1/9/2014  | W  | C | 3 | 12 | S | 0.05 | 52.40  | 0.355 | 49.30 | 6.02 |
| SoilWater | D | 1/9/2014  | W  | C | 3 | 24 | S | 0.05 | 50.80  | 0.320 | 50.41 | 5.98 |
| SoilWater | D | 1/9/2014  | W  | C | 4 | 12 | S | 0.19 | 20.80  | 0.437 | 21.60 | 6.21 |
| SoilWater | D | 2/14/2014 | W  | C | 1 | 12 | S | 4.22 | 83.80  | 0.168 | 73.80 | 6.92 |
| SoilWater | D | 2/14/2014 | W  | C | 1 | 24 | S | 2.67 | 50.10  | 0.161 | 93.20 | 6.97 |
| SoilWater | D | 2/14/2014 | W  | C | 2 | 12 | S | 0.05 | 48.00  | 0.148 | 45.40 | 6.44 |
| SoilWater | D | 2/14/2014 | W  | C | 2 | 36 | S | 0.05 | 47.60  | 0.029 | 97.60 | 6.59 |
| SoilWater | D | 2/14/2014 | W  | C | 3 | 12 | S | 0.59 | 38.80  | 0.415 | 56.80 | 6.32 |
| SoilWater | D | 2/14/2014 | W  | C | 3 | 24 | S | 0.05 | 47.00  | 0.244 | 64.40 | 6.29 |
| SoilWater | D | 2/14/2014 | W  | C | 3 | 36 | S | 0.05 | 48.60  | 0.149 | 78.50 | 6.17 |
| SoilWater | D | 2/14/2014 | W  | C | 4 | 12 | S | 0.05 | 25.40  | 0.423 | 24.00 | 6.77 |
| SoilWater | D | 2/14/2014 | W  | C | 4 | 24 | S | 0.05 | 47.50  | 0.186 | 55.40 | 6.43 |
| SoilWater | D | 2/14/2014 | W  | C | 6 | 12 | S | 0.05 | 51.60  | 0.355 | 69.80 | 6.73 |
| SoilWater | D | 2/14/2014 | W  | C | 6 | 24 | S | 0.05 | 67.00  | 0.327 | 96.80 | 6.38 |
| SoilWater | D | 3/10/2014 | W  | C | 1 | 12 | S | 0.05 | 45.12  | 0.313 | 43.12 | 7.04 |
| SoilWater | D | 3/10/2014 | W  | C | 1 | 24 | S | 0.05 | 53.69  | 0.219 | 61.22 | 6.91 |
| SoilWater | D | 3/10/2014 | W  | C | 2 | 12 | S | 0.05 | 30.28  | 0.251 | 54.07 | 6.24 |
| SoilWater | D | 3/10/2014 | W  | C | 3 | 12 | S | 0.76 | 32.01  | 0.508 | 35.02 | 6.36 |
| SoilWater | D | 4/3/2014  | SP | C | 1 | 12 | S | 0.05 | 34.05  | 0.333 | 31.16 | 6.95 |
| SoilWater | D | 4/3/2014  | SP | C | 2 | 12 | S | 0.05 | 16.25  | 0.263 | 19.56 | 6.17 |
| SoilWater | D | 4/3/2014  | SP | C | 2 | 24 | S | 0.05 | 46.90  | 0.126 | 46.66 | 6.30 |
| SoilWater | D | 4/3/2014  | SP | C | 2 | 36 | S | 0.05 | 44.65  | 0.090 | 56.22 | 6.00 |
| SoilWater | D | 4/3/2014  | SP | C | 3 | 12 | S | 0.08 | 18.86  | 0.711 | 23.71 | 6.43 |
| SoilWater | D | 4/3/2014  | SP | C | 3 | 24 | S | 0.05 | 47.99  | 0.356 | 49.95 | 6.27 |
| SoilWater | D | 4/3/2014  | SP | C | 3 | 36 | S | 0.05 | 61.68  | 0.219 | 59.60 | 6.19 |

|           |   |           |    |   |   |    |   |      |       |       |       |      |
|-----------|---|-----------|----|---|---|----|---|------|-------|-------|-------|------|
| SoilWater | D | 4/3/2014  | SP | C | 4 | 12 | S | 0.55 | 10.28 | 0.611 | 11.29 | 6.57 |
| SoilWater | D | 4/3/2014  | SP | C | 4 | 24 | S | 0.26 | 21.03 | 0.375 | 23.35 | 6.41 |
| SoilWater | D | 4/3/2014  | SP | C | 5 | 12 | S | 1.08 | 25.23 | 0.996 | 28.42 | 6.69 |
| SoilWater | D | 4/3/2014  | SP | C | 5 | 24 | S | 0.14 | 20.66 | 0.368 | 26.94 | 6.51 |
| SoilWater | D | 4/3/2014  | SP | C | 6 | 12 | S | 0.18 | 45.15 | 0.377 | 52.30 | 6.61 |
| SoilWater | D | 4/23/2014 | SP | C | 1 | 12 | S | 0.05 | 43.46 | 0.432 | 30.35 | 6.97 |
| SoilWater | D | 4/23/2014 | SP | C | 1 | 24 | S | 0.05 | 69.73 | 0.208 | 52.48 | 6.65 |
| SoilWater | D | 4/23/2014 | SP | C | 1 | 36 | S | 0.05 | 69.23 | 0.196 | 49.74 | 6.73 |
| SoilWater | D | 4/23/2014 | SP | C | 2 | 12 | S | 0.05 | 28.15 | 0.431 | 21.37 | 6.73 |
| SoilWater | D | 4/23/2014 | SP | C | 2 | 24 | S | 0.05 | 49.09 | 0.112 | 46.61 | 6.10 |
| SoilWater | D | 4/23/2014 | SP | C | 2 | 36 | S | 0.05 | 61.36 | 0.205 | 53.96 | 6.47 |
| SoilWater | D | 4/23/2014 | SP | C | 3 | 12 | S | 0.05 | 28.68 | 0.896 | 22.75 | 6.96 |
| SoilWater | D | 4/23/2014 | SP | C | 3 | 24 | S | 0.05 | 59.17 | 0.567 | 43.38 | 6.38 |
| SoilWater | D | 4/23/2014 | SP | C | 4 | 12 | S | 0.17 | 23.52 | 1.361 | 12.99 | 6.66 |
| SoilWater | D | 4/23/2014 | SP | C | 4 | 24 | S | 0.67 | 22.24 | 0.694 | 12.47 | 6.70 |
| SoilWater | D | 4/23/2014 | SP | C | 6 | 12 | S | 1.06 | 39.57 | 0.774 | 24.59 | 6.78 |
| SoilWater | D | 5/15/2014 | SP | C | 1 | 12 | S | 0.05 | 30.10 | 0.218 | 36.54 | 6.39 |
| SoilWater | D | 5/15/2014 | SP | C | 1 | 24 | S | 0.05 | 41.09 | 0.048 | 49.10 | 6.31 |
| SoilWater | D | 5/15/2014 | SP | C | 1 | 36 | S | 0.05 | 36.23 | 0.124 | 40.89 | 6.11 |
| SoilWater | D | 5/15/2014 | SP | C | 2 | 12 | S | 0.05 | 22.37 | 0.218 | 22.02 | 6.39 |
| SoilWater | D | 5/15/2014 | SP | C | 2 | 24 | S | 0.11 | 40.41 | 0.001 | 46.32 | 5.81 |
| SoilWater | D | 5/15/2014 | SP | C | 2 | 36 | S | 0.05 | 43.92 | 0.079 | 50.85 | 6.09 |
| SoilWater | D | 5/15/2014 | SP | C | 3 | 12 | S | 0.09 | 14.52 | 0.666 | 18.07 | 6.27 |
| SoilWater | D | 5/15/2014 | SP | C | 3 | 24 | S | 0.05 | 21.02 | 0.395 | 28.13 | 6.33 |
| SoilWater | D | 5/15/2014 | SP | C | 3 | 36 | S | 0.07 | 29.84 | 0.238 | 32.05 | 6.58 |
| SoilWater | D | 5/15/2014 | SP | C | 4 | 12 | S | 1.13 | 2.97  | 1.369 | 2.68  | 6.49 |
| SoilWater | D | 5/15/2014 | SP | C | 4 | 24 | S | 0.45 | 6.77  | 0.550 | 6.75  | 6.46 |
| SoilWater | D | 5/15/2014 | SP | C | 4 | 36 | S | 0.44 | 7.59  | 0.469 | 10.02 | 6.55 |
| SoilWater | D | 5/15/2014 | SP | C | 6 | 12 | S | 1.09 | 12.41 | 0.086 | 13.25 | 6.65 |
| SoilWater | D | 5/15/2014 | SP | C | 6 | 24 | S | 0.57 | 18.25 | 0.416 | 23.80 | 6.41 |

|           |   |           |    |   |   |    |   |       |       |       |       |      |
|-----------|---|-----------|----|---|---|----|---|-------|-------|-------|-------|------|
| SoilWater | D | 5/15/2014 | SP | C | 6 | 36 | S | 0.57  | 16.51 | 0.597 | 20.82 | 6.50 |
| SoilWater | D | 6/3/2014  | SP | C | 1 | 24 | S | 0.05  | 46.09 | 0.162 | 45.41 | 6.44 |
| SoilWater | D | 6/3/2014  | SP | C | 3 | 12 | S | 0.05  | 11.43 | 0.866 | 11.90 | 6.75 |
| SoilWater | D | 6/3/2014  | SP | C | 3 | 24 | S | 0.05  |       | 0.486 | 12.68 | 6.64 |
| SoilWater | D | 6/3/2014  | SP | C | 3 | 36 | S | 0.05  |       | 1.172 | 45.00 | 6.56 |
| SoilWater | D | 6/3/2014  | SP | C | 4 | 12 | S | 0.05  | 21.62 | 4.469 | 18.19 | 6.87 |
| SoilWater | D | 6/3/2014  | SP | C | 6 | 24 | S | 0.05  | 19.59 | 1.770 | 17.41 | 6.55 |
| SoilWater | D | 7/9/2014  | S  | C | 1 | 12 | S | 0.05  | 14.36 | 2.617 | 26.08 | 6.14 |
| SoilWater | D | 7/9/2014  | S  | C | 2 | 24 | S | 0.08  | 32.88 | 0.125 | 29.22 | 5.39 |
| SoilWater | D | 7/9/2014  | S  | C | 3 | 12 | S | 0.37  | 6.71  | 2.735 | 5.37  | 5.93 |
| SoilWater | D | 7/9/2014  | S  | C | 4 | 12 | S | 12.70 | 50.76 | 7.428 | 37.66 | 6.53 |
| SoilWater | D | 7/9/2014  | S  | C | 4 | 24 | S | 6.61  | 4.69  | 2.498 | 1.32  | 6.24 |
| SoilWater | D | 7/9/2014  | S  | C | 4 | 36 | S | 0.33  | 7.48  | 0.497 | 3.68  | 5.69 |
| SoilWater | D | 7/9/2014  | S  | C | 5 | 12 | S | 0.88  | 4.42  | 1.429 | 2.83  | 6.27 |
| SoilWater | D | 7/9/2014  | S  | C | 5 | 24 | S | 0.05  | 2.24  | 0.401 | 0.76  | 6.07 |
| SoilWater | D | 7/9/2014  | S  | C | 5 | 36 | S | 1.62  | 11.64 | 1.388 | 9.13  | 5.97 |
| SoilWater | D | 7/9/2014  | S  | C | 6 | 12 | S | 3.38  | 7.14  | 3.894 | 2.31  | 6.66 |
| SoilWater | D | 7/9/2014  | S  | C | 6 | 24 | S | 0.05  | 8.60  | 1.766 | 5.69  | 6.08 |
| SoilWater | D | 7/9/2014  | S  | C | 6 | 36 | S | 0.05  | 7.91  | 0.681 | 5.46  | 6.08 |
| SoilWater | D | 7/25/2014 | S  | C | 3 | 12 | S | 0.05  | 11.49 | 3.179 | 7.75  | 6.10 |
| SoilWater | D | 7/25/2014 | S  | C | 3 | 24 | S | 0.05  | 10.41 | 0.944 | 9.38  | 5.84 |
| SoilWater | D | 7/25/2014 | S  | C | 3 | 36 | S | 0.05  | 14.76 | 0.721 | 26.08 | 6.13 |
| SoilWater | D | 7/25/2014 | S  | C | 4 | 24 | S | 1.44  | 2.89  | 1.454 | 2.64  | 6.41 |
| SoilWater | D | 7/25/2014 | S  | C | 4 | 36 | S | 0.23  | 6.79  | 0.530 | 5.36  | 6.12 |
| SoilWater | D | 7/25/2014 | S  | C | 5 | 12 | S | 0.19  | 5.03  | 1.627 | 1.53  | 6.62 |
| SoilWater | D | 7/25/2014 | S  | C | 5 | 24 | S | 0.05  | 1.96  | 0.295 | 0.32  | 6.34 |
| SoilWater | D | 7/25/2014 | S  | C | 5 | 36 | S | 1.37  | 14.40 | 0.979 | 9.31  | 6.22 |
| SoilWater | D | 7/25/2014 | S  | C | 6 | 24 | S | 0.05  | 6.68  | 1.965 | 5.35  | 6.07 |
| SoilWater | D | 8/19/2014 | S  | C | 1 | 12 | S | 0.05  | 53.69 | 4.071 | 37.54 | 6.57 |
| SoilWater | D | 8/19/2014 | S  | C | 2 | 24 | S | 0.05  | 18.39 | 0.282 | 16.84 | 6.08 |

|           |   |            |   |   |   |    |   |      |        |        |        |      |
|-----------|---|------------|---|---|---|----|---|------|--------|--------|--------|------|
| SoilWater | D | 8/19/2014  | S | C | 3 | 12 | S | 0.05 | 26.64  | 2.784  | 25.65  | 5.96 |
| SoilWater | D | 8/19/2014  | S | C | 3 | 24 | S | 0.05 | 17.18  | 1.006  | 14.00  | 5.84 |
| SoilWater | D | 8/19/2014  | S | C | 3 | 36 | S | 0.05 | 25.44  | 0.483  | 22.35  | 5.75 |
| SoilWater | D | 8/19/2014  | S | C | 4 | 12 | S | 0.05 | 62.09  | 14.150 | 53.25  | 6.60 |
| SoilWater | D | 8/19/2014  | S | C | 4 | 36 | S | 0.05 | 10.04  | 0.360  | 8.18   | 5.95 |
| SoilWater | D | 8/19/2014  | S | C | 5 | 12 | S | 0.05 | 18.92  | 1.955  | 14.21  | 6.23 |
| SoilWater | D | 8/19/2014  | S | C | 5 | 36 | S | 0.05 | 53.56  | 0.753  | 41.95  | 6.04 |
| SoilWater | D | 8/19/2014  | S | C | 6 | 12 | S | 0.05 | 14.01  | 3.257  | 15.20  | 6.37 |
| SoilWater | D | 8/19/2014  | S | C | 6 | 24 | S | 0.05 | 14.71  | 1.893  | 16.40  | 6.25 |
| SoilWater | D | 9/4/2014   | S | C | 1 | 12 | S | 0.05 | 65.84  | 15.880 | 78.01  | 6.74 |
| SoilWater | D | 9/4/2014   | S | C | 1 | 24 | S | 0.05 | 36.92  | 0.400  | 40.50  | 6.44 |
| SoilWater | D | 9/4/2014   | S | C | 1 | 36 | S | 4.22 | 165.06 | 5.356  | 158.67 | 6.69 |
| SoilWater | D | 9/4/2014   | S | C | 3 | 12 | S | 0.21 | 69.22  | 8.542  | 74.02  | 6.35 |
| SoilWater | D | 9/4/2014   | S | C | 3 | 24 | S | 0.05 | 28.35  | 1.194  | 29.37  | 5.98 |
| SoilWater | D | 9/4/2014   | S | C | 4 | 24 | S | 0.05 | 46.19  | 2.117  | 36.23  | 6.00 |
| SoilWater | D | 9/4/2014   | S | C | 4 | 36 | S | 0.05 | 19.54  | 0.406  | 19.80  | 6.23 |
| SoilWater | D | 9/4/2014   | S | C | 5 | 12 | S | 0.66 | 37.13  | 3.430  | 39.53  | 6.34 |
| SoilWater | D | 9/4/2014   | S | C | 5 | 24 | S | 0.05 | 41.44  | 1.771  | 36.06  | 6.56 |
| SoilWater | D | 9/4/2014   | S | C | 5 | 36 | S | 4.16 | 51.77  | 1.545  | 38.46  | 6.38 |
| SoilWater | D | 9/4/2014   | S | C | 6 | 12 | S | 1.05 | 22.48  | 3.031  | 20.60  | 7.22 |
| SoilWater | D | 9/23/2014  | S | C | 3 | 12 | S | 0.05 | 29.61  | 7.910  | 23.39  | 7.75 |
| SoilWater | D | 10/17/2014 | F | C | 1 | 12 | S | 0.05 | 42.18  | 1.990  | 33.78  | 6.65 |
| SoilWater | D | 10/17/2014 | F | C | 1 | 24 | S | 0.14 |        | 1.045  | 8.03   | 7.20 |
| SoilWater | D | 10/17/2014 | F | C | 4 | 12 | S | 0.05 | 66.61  | 8.219  | 47.44  | 6.42 |
| SoilWater | D | 10/17/2014 | F | C | 4 | 24 | S | 0.05 | 94.40  | 2.168  | 61.36  | 5.97 |
| SoilWater | D | 10/17/2014 | F | C | 5 | 12 | S | 0.52 | 28.09  | 2.391  | 25.63  | 6.27 |
| SoilWater | D | 10/17/2014 | F | C | 5 | 24 | S | 0.05 | 21.07  | 1.151  | 20.37  | 6.36 |
| SoilWater | D | 10/17/2014 | F | C | 5 | 36 | S | 0.05 | 153.13 | 2.148  | 54.30  | 6.35 |
| SoilWater | D | 10/17/2014 | F | C | 6 | 12 | S | 0.05 | 69.24  | 3.374  | 41.94  | 6.33 |
| SoilWater | D | 10/17/2014 | F | C | 6 | 24 | S | 0.05 | 32.83  | 1.276  | 22.12  | 6.74 |

|           |   |            |   |   |   |    |   |       |        |       |        |      |
|-----------|---|------------|---|---|---|----|---|-------|--------|-------|--------|------|
| SoilWater | D | 10/23/2014 | F | C | 1 | 12 | S | 0.17  | 93.44  | 0.764 | 71.76  | 6.31 |
| SoilWater | D | 10/23/2014 | F | C | 1 | 24 | S | 0.23  | 71.37  | 0.489 | 68.47  | 6.22 |
| SoilWater | D | 10/23/2014 | F | C | 3 | 12 | S | 0.26  | 52.75  | 2.365 | 53.00  | 6.22 |
| SoilWater | D | 10/23/2014 | F | C | 3 | 24 | S | 0.17  | 107.89 | 0.668 | 63.74  | 5.98 |
| SoilWater | D | 10/23/2014 | F | C | 3 | 36 | S | 0.17  | 52.26  | 0.502 | 49.10  | 5.78 |
| SoilWater | D | 10/23/2014 | F | C | 4 | 12 | S | 0.13  | 86.58  | 2.737 | 81.83  | 6.05 |
| SoilWater | D | 10/23/2014 | F | C | 4 | 24 | S | 0.05  | 52.98  | 0.523 | 45.41  | 5.75 |
| SoilWater | D | 10/23/2014 | F | C | 4 | 36 | S | 0.19  | 94.17  | 0.405 | 64.48  | 5.93 |
| SoilWater | D | 10/23/2014 | F | C | 5 | 12 | S | 0.17  | 51.54  | 0.668 | 30.43  | 6.23 |
| SoilWater | D | 10/23/2014 | F | C | 5 | 24 | S | 0.17  | 29.13  | 0.790 | 24.61  | 6.03 |
| SoilWater | D | 10/23/2014 | F | C | 5 | 36 | S | 0.30  | 136.32 | 1.082 | 94.71  | 6.17 |
| SoilWater | D | 10/23/2014 | F | C | 6 | 12 | S | 0.16  | 52.09  | 1.052 | 40.64  | 6.21 |
| SoilWater | D | 10/23/2014 | F | C | 6 | 24 | S | 0.16  | 35.66  | 0.411 | 35.93  | 6.21 |
| SoilWater | D | 10/23/2014 | F | C | 6 | 36 | S | 0.21  | 98.21  | 0.587 | 107.96 | 6.22 |
| SoilWater | D | 10/31/2014 | F | C | 1 | 12 | S | 0.05  | 98.47  | 0.619 | 85.12  | 6.20 |
| SoilWater | D | 10/31/2014 | F | C | 1 | 24 | S | 0.05  | 76.12  | 0.469 | 65.81  | 6.31 |
| SoilWater | D | 10/31/2014 | F | C | 1 | 36 | S | 0.05  | 356.36 | 0.367 | 303.48 | 6.54 |
| SoilWater | D | 10/31/2014 | F | C | 2 | 24 | S | 0.05  | 41.02  | 0.575 | 26.85  | 6.15 |
| SoilWater | D | 10/31/2014 | F | C | 3 | 12 | S | 0.05  | 127.65 | 1.740 | 83.73  | 5.92 |
| SoilWater | D | 10/31/2014 | F | C | 3 | 24 | S | 0.05  | 85.24  | 0.532 | 51.99  | 5.80 |
| SoilWater | D | 10/31/2014 | F | C | 3 | 36 | S | 0.05  | 115.66 | 0.341 | 75.15  | 5.73 |
| SoilWater | D | 11/6/2014  | F | C | 1 | 12 | S | 0.05  | 63.24  | 0.497 | 59.22  | 6.33 |
| SoilWater | D | 11/6/2014  | F | C | 2 | 24 | S | 0.05  | 30.41  | 0.875 | 25.07  | 6.42 |
| SoilWater | D | 11/6/2014  | F | C | 2 | 36 | S | 0.05  | 96.82  | 0.611 | 67.74  | 6.16 |
| SoilWater | D | 11/6/2014  | F | C | 3 | 12 | S | 0.05  | 88.85  | 0.726 | 53.48  | 5.94 |
| SoilWater | D | 11/6/2014  | F | C | 3 | 24 | S | 0.05  | 46.17  | 0.427 | 30.07  | 5.86 |
| SoilWater | D | 11/6/2014  | F | C | 3 | 36 | S | 0.05  | 80.44  | 0.207 | 69.12  | 5.67 |
| SoilWater | D | 11/25/2014 | F | C | 1 | 12 | S | 0.12  | 46.21  | 2.942 | 50.71  | 6.55 |
| SoilWater | D | 11/25/2014 | F | C | 1 | 24 | S | 0.14  | 72.74  | 0.433 | 62.72  | 6.13 |
| SoilWater | D | 11/25/2014 | F | C | 1 | 36 | S | 17.82 | 393.67 | 3.869 | 309.40 | 6.90 |

|           |   |            |   |   |   |    |   |       |        |       |        |      |
|-----------|---|------------|---|---|---|----|---|-------|--------|-------|--------|------|
| SoilWater | D | 11/25/2014 | F | C | 2 | 24 | S | 41.02 | 75.56  | 3.761 | 56.91  | 6.95 |
| SoilWater | D | 11/25/2014 | F | C | 2 | 36 | S | 9.47  | 134.34 | 2.109 | 105.63 | 6.34 |
| SoilWater | D | 11/25/2014 | F | C | 3 | 12 | S | 48.53 | 90.98  | 3.359 | 79.32  | 7.01 |
| SoilWater | D | 11/25/2014 | F | C | 3 | 24 | S | 0.14  | 66.62  | 0.589 | 56.98  | 5.97 |
| SoilWater | D | 11/25/2014 | F | C | 3 | 36 | S | 6.04  | 80.42  | 2.292 | 69.33  | 6.14 |
| SoilWater | D | 12/3/2014  | F | C | 1 | 12 | S | 0.05  | 62.60  | 0.585 | 56.84  | 7.26 |
| SoilWater | D | 12/3/2014  | F | C | 1 | 24 | S | 0.05  | 55.93  | 0.269 | 54.73  | 7.11 |
| SoilWater | D | 12/3/2014  | F | C | 1 | 36 | S | 0.34  | 159.44 | 0.629 | 159.57 | 6.68 |
| SoilWater | D | 12/3/2014  | F | C | 2 | 24 | S | 1.93  | 70.97  | 0.312 | 76.94  | 6.68 |
| SoilWater | D | 12/3/2014  | F | C | 2 | 36 | S | 1.25  | 109.04 | 0.480 | 108.21 | 6.33 |
| SoilWater | D | 12/3/2014  | F | C | 3 | 12 | S | 3.50  | 107.50 | 0.858 | 94.52  | 6.81 |
| SoilWater | D | 12/3/2014  | F | C | 3 | 24 | S | 0.21  | 60.97  | 0.656 | 59.84  | 6.33 |
| SoilWater | D | 12/3/2014  | F | C | 3 | 36 | S | 9.03  | 75.86  | 2.247 | 70.49  | 6.60 |
| SoilWater | D | 12/3/2014  | F | C | 4 | 12 | S | 6.67  | 68.29  | 2.608 | 52.00  | 6.79 |
| SoilWater | D | 12/3/2014  | F | C | 4 | 24 | S | 2.91  | 67.29  | 1.519 | 89.50  | 6.44 |
| SoilWater | D | 12/3/2014  | F | C | 6 | 12 | S | 10.79 | 47.95  | 3.558 | 37.19  | 6.85 |
| SoilWater | D | 12/8/2014  | F | C | 1 | 12 | S | 0.05  | 52.14  | 0.607 | 50.69  | 7.04 |
| SoilWater | D | 12/8/2014  | F | C | 1 | 24 | S | 0.05  | 54.56  | 0.311 | 54.87  | 7.33 |
| SoilWater | D | 12/8/2014  | F | C | 3 | 12 | S | 0.84  | 90.08  | 0.932 | 89.92  | 6.67 |
| SoilWater | D | 12/8/2014  | F | C | 3 | 24 | S | 0.05  | 73.20  | 1.018 | 60.65  | 6.43 |
| SoilWater | D | 12/8/2014  | F | C | 3 | 36 | S | 0.95  | 87.94  | 0.350 | 79.60  | 6.04 |
| SoilWater | D | 12/8/2014  | F | C | 4 | 12 | S | 0.96  | 72.61  | 1.295 | 77.61  | 6.25 |
| SoilWater | D | 12/15/2014 | F | C | 1 | 12 | S | 0.05  | 42.47  | 0.507 | 36.92  | 6.95 |
| SoilWater | D | 12/15/2014 | F | C | 1 | 24 | S | 0.05  | 65.99  | 0.256 | 55.36  | 6.99 |
| SoilWater | D | 12/15/2014 | F | C | 1 | 36 | S | 0.05  | 125.35 | 0.328 | 92.58  | 6.45 |
| SoilWater | D | 12/15/2014 | F | C | 2 | 24 | S | 0.05  | 97.54  | 0.162 | 66.98  | 6.38 |
| SoilWater | D | 12/15/2014 | F | C | 2 | 36 | S | 0.05  | 75.03  | 0.153 | 110.13 | 6.13 |
| SoilWater | D | 12/15/2014 | F | C | 3 | 12 | S | 0.05  | 62.11  | 0.730 | 53.94  | 6.50 |
| SoilWater | D | 12/15/2014 | F | C | 3 | 24 | S | 0.05  | 63.08  | 0.764 | 36.03  | 6.32 |
| SoilWater | D | 12/15/2014 | F | C | 4 | 12 | S | 0.55  | 54.12  | 0.946 | 49.27  | 6.44 |

|           |   |            |   |   |   |    |   |      |        |       |        |      |
|-----------|---|------------|---|---|---|----|---|------|--------|-------|--------|------|
| SoilWater | D | 12/31/2014 | F | C | 1 | 12 | S | 0.05 | 41.60  | 0.617 | 26.15  | 6.76 |
| SoilWater | D | 12/31/2014 | F | C | 1 | 24 | S | 0.05 | 47.65  | 0.412 | 45.32  | 6.29 |
| SoilWater | D | 12/31/2014 | F | C | 1 | 36 | S | 0.05 | 72.88  | 0.578 | 58.04  | 6.13 |
| SoilWater | D | 12/31/2014 | F | C | 2 | 24 | S | 0.05 | 71.03  | 0.269 | 77.44  | 6.07 |
| SoilWater | D | 12/31/2014 | F | C | 2 | 36 | S | 0.05 | 109.90 | 0.279 | 106.68 | 6.27 |
| SoilWater | D | 12/31/2014 | F | C | 3 | 12 | S | 0.05 | 58.63  | 0.834 | 46.94  | 5.95 |
| SoilWater | D | 12/31/2014 | F | C | 3 | 24 | S | 0.05 | 42.05  | 0.701 | 37.10  | 5.89 |
| SoilWater | D | 12/31/2014 | F | C | 3 | 36 | S | 0.43 | 68.53  | 0.704 | 70.47  | 5.80 |
| SoilWater | D | 12/31/2014 | F | C | 4 | 12 | S | 0.61 | 56.41  | 1.523 | 37.47  | 6.10 |
| SoilWater | D | 1/8/2015   | W | C | 1 | 12 | S | 0.05 | 23.34  | 0.396 | 12.30  | 7.15 |
| SoilWater | D | 1/8/2015   | W | C | 1 | 24 | S | 0.05 | 24.80  | 0.146 | 19.50  | 6.93 |
| SoilWater | D | 1/8/2015   | W | C | 1 | 36 | S | 0.05 | 58.32  | 0.278 | 48.18  | 6.53 |
| SoilWater | D | 1/8/2015   | W | C | 2 | 24 | S | 0.05 | 49.29  | 0.090 | 44.94  | 6.32 |
| SoilWater | D | 1/8/2015   | W | C | 2 | 36 | S | 0.05 | 85.09  | 0.081 | 59.91  | 6.23 |
| SoilWater | D | 1/8/2015   | W | C | 3 | 12 | S | 0.05 | 26.08  | 0.749 | 24.19  | 6.35 |
| SoilWater | D | 1/22/2015  | W | C | 1 | 12 | S | 0.05 | 19.19  | 0.262 | 15.95  | 6.84 |
| SoilWater | D | 1/22/2015  | W | C | 1 | 24 | S | 0.05 | 15.53  | 0.466 | 15.58  | 7.03 |
| SoilWater | D | 1/22/2015  | W | C | 2 | 36 | S | 0.07 | 64.01  | 0.077 | 58.03  | 6.17 |
| SoilWater | D | 1/22/2015  | W | C | 3 | 12 | S | 0.05 | 38.21  | 0.774 | 27.36  | 6.37 |
| SoilWater | D | 1/22/2015  | W | C | 3 | 24 | S | 0.05 | 26.72  | 0.795 | 18.41  | 6.25 |
| SoilWater | D | 2/6/2015   | W | C | 1 | 12 | S | 0.05 | 18.32  | 0.490 | 15.23  | 7.13 |
| SoilWater | D | 2/6/2015   | W | C | 1 | 24 | S | 0.05 | 21.59  | 0.407 | 12.89  | 7.11 |
| SoilWater | D | 2/6/2015   | W | C | 1 | 36 | S | 0.05 | 40.80  | 0.359 | 36.66  | 7.03 |
| SoilWater | D | 2/6/2015   | W | C | 2 | 24 | S | 0.05 | 43.57  | 0.125 | 36.86  | 6.75 |
| SoilWater | D | 2/6/2015   | W | C | 3 | 12 | S | 0.05 | 31.25  | 0.881 | 22.36  | 6.32 |
| SoilWater | D | 2/12/2015  | W | C | 1 | 12 | S | 0.05 | 16.32  | 0.535 | 15.68  | 6.86 |
| SoilWater | D | 2/12/2015  | W | C | 1 | 24 | S | 0.05 | 15.95  | 0.488 | 14.68  | 6.75 |
| SoilWater | D | 2/12/2015  | W | C | 1 | 36 | S | 0.05 | 31.91  | 0.436 | 31.15  | 6.47 |
| SoilWater | D | 2/12/2015  | W | C | 2 | 24 | S | 0.05 | 42.77  | 0.199 | 41.20  | 6.22 |
| SoilWater | D | 2/12/2015  | W | C | 2 | 36 | S | 0.05 | 52.77  | 0.190 | 47.99  | 6.16 |

|           |   |           |    |   |   |    |   |      |        |       |       |      |
|-----------|---|-----------|----|---|---|----|---|------|--------|-------|-------|------|
| SoilWater | D | 2/12/2015 | W  | C | 3 | 12 | S | 0.05 | 22.17  | 0.938 | 24.94 | 6.27 |
| SoilWater | D | 2/12/2015 | W  | C | 3 | 24 | S | 0.05 | 25.04  | 0.954 | 22.54 | 6.28 |
| SoilWater | D | 3/6/2015  | W  | C | 2 | 36 | S | 0.05 | 82.63  | 0.089 | 47.35 | 6.40 |
| SoilWater | D | 3/6/2015  | W  | C | 3 | 36 | S | 0.05 | 56.40  | 0.513 | 34.56 | 6.17 |
| SoilWater | D | 3/6/2015  | W  | C | 4 | 24 | S | 0.05 | 53.28  | 0.795 | 28.73 | 6.32 |
| SoilWater | D | 3/6/2015  | W  | C | 4 | 36 | S | 0.05 | 109.29 | 0.292 | 56.33 | 6.61 |
| SoilWater | D | 3/6/2015  | W  | C | 5 | 12 | S | 0.05 | 44.11  | 0.818 | 22.49 | 6.76 |
| SoilWater | D | 3/6/2015  | W  | C | 5 | 24 | S | 0.05 | 30.01  | 0.425 | 15.40 | 6.56 |
| SoilWater | D | 3/6/2015  | W  | C | 6 | 12 | S | 0.05 | 17.46  | 1.488 | 13.15 | 6.58 |
| SoilWater | D | 3/6/2015  | W  | C | 6 | 24 | S | 0.61 | 37.76  | 1.231 | 19.62 | 6.72 |
| SoilWater | D | 3/6/2015  | W  | C | 6 | 36 | S | 0.29 | 133.25 | 0.610 | 82.01 | 6.57 |
| SoilWater | D | 3/17/2015 | W  | C | 1 | 12 | S | 0.05 | 36.51  | 0.642 | 26.05 | 6.51 |
| SoilWater | D | 3/17/2015 | W  | C | 1 | 24 | S | 0.05 | 26.83  | 0.481 | 18.86 | 6.51 |
| SoilWater | D | 3/17/2015 | W  | C | 1 | 36 | S | 0.05 | 53.79  | 0.540 | 34.84 | 6.45 |
| SoilWater | D | 3/17/2015 | W  | C | 2 | 24 | S | 0.05 | 42.57  | 0.284 | 22.56 | 6.05 |
| SoilWater | D | 3/17/2015 | W  | C | 2 | 36 | S | 0.05 | 67.91  | 0.140 | 41.15 | 6.23 |
| SoilWater | D | 3/17/2015 | W  | C | 3 | 12 | S | 0.05 | 35.63  | 1.131 | 23.66 | 6.17 |
| SoilWater | D | 3/17/2015 | W  | C | 3 | 24 | S | 0.05 | 49.48  | 0.725 | 24.97 | 6.03 |
| SoilWater | D | 3/17/2015 | W  | C | 3 | 36 | S | 0.05 | 69.57  | 0.581 | 37.44 | 5.86 |
| SoilWater | D | 3/26/2015 | W  | C | 1 | 12 | S | 0.05 | 29.86  | 0.503 | 22.42 | 6.63 |
| SoilWater | D | 3/26/2015 | W  | C | 1 | 24 | S | 0.05 | 21.49  | 0.293 | 17.69 | 6.56 |
| SoilWater | D | 3/26/2015 | W  | C | 2 | 24 | S | 0.05 | 23.36  | 0.691 | 10.63 | 6.63 |
| SoilWater | D | 3/26/2015 | W  | C | 3 | 12 | S | 0.05 | 31.52  | 0.848 | 17.50 | 6.13 |
| SoilWater | D | 4/2/2015  | SP | C | 1 | 12 | S | 0.05 | 27.28  | 0.474 | 15.21 | 6.62 |
| SoilWater | D | 4/2/2015  | SP | C | 1 | 24 | S | 0.05 | 18.26  | 0.266 | 12.14 | 6.54 |
| SoilWater | D | 4/2/2015  | SP | C | 2 | 24 | S | 0.05 | 21.88  | 0.246 | 14.07 | 6.67 |
| SoilWater | D | 4/2/2015  | SP | C | 2 | 36 | S | 0.05 | 104.33 | 0.135 | 59.21 | 5.97 |
| SoilWater | D | 4/2/2015  | SP | C | 3 | 12 | S | 0.05 | 12.68  | 0.690 | 14.66 | 6.24 |
| SoilWater | D | 4/2/2015  | SP | C | 3 | 24 | S | 0.05 | 16.23  | 0.587 | 18.78 | 6.17 |
| SoilWater | D | 4/2/2015  | SP | C | 3 | 36 | S | 0.05 | 58.97  | 0.338 | 35.07 | 5.97 |

|           |   |           |    |   |   |    |   |       |        |       |       |      |
|-----------|---|-----------|----|---|---|----|---|-------|--------|-------|-------|------|
| SoilWater | D | 4/21/2015 | SP | C | 1 | 12 | S | 0.05  | 11.33  | 0.728 | 11.31 | 7.14 |
| SoilWater | D | 4/21/2015 | SP | C | 1 | 24 | S | 0.05  | 7.81   | 0.299 | 7.05  | 7.46 |
| SoilWater | D | 4/21/2015 | SP | C | 1 | 36 | S | 0.05  |        | 0.995 | 27.23 | 6.91 |
| SoilWater | D | 4/21/2015 | SP | C | 2 | 36 | S | 0.05  | 162.26 | 0.223 | 54.57 | 6.36 |
| SoilWater | D | 4/21/2015 | SP | C | 3 | 36 | S | 0.05  | 33.56  | 0.377 | 23.80 | 5.93 |
| SoilWater | D | 4/21/2015 | SP | C | 4 | 12 | S | 0.49  | 29.16  | 2.419 | 15.07 | 6.42 |
| SoilWater | D | 4/21/2015 | SP | C | 4 | 24 | S | 0.12  | 25.35  | 0.963 | 14.78 | 6.13 |
| SoilWater | D | 4/21/2015 | SP | C | 4 | 36 | S | 0.05  | 26.03  | 0.827 | 20.08 | 6.14 |
| SoilWater | D | 4/21/2015 | SP | C | 5 | 12 | S | 0.05  | 79.75  | 0.802 | 34.85 | 6.17 |
| SoilWater | D | 4/21/2015 | SP | C | 5 | 24 | S | 0.15  | 5.19   | 0.405 | 8.85  | 6.11 |
| SoilWater | D | 4/21/2015 | SP | C | 5 | 36 | S | 2.33  | 64.79  | 0.537 | 29.48 | 6.37 |
| SoilWater | D | 4/21/2015 | SP | C | 6 | 12 | S | 0.08  | 31.12  | 1.386 | 10.42 | 6.15 |
| SoilWater | D | 4/21/2015 | SP | C | 6 | 24 | S | 0.07  | 49.97  | 1.553 | 18.86 | 6.09 |
| SoilWater | D | 4/21/2015 | SP | C | 6 | 36 | S | 0.05  | 82.44  | 1.215 | 35.07 | 6.36 |
| SoilWater | D | 4/30/2015 | SP | C | 1 | 24 | S | 0.05  | 13.70  | 0.426 | 5.39  | 7.60 |
| SoilWater | D | 4/30/2015 | SP | C | 1 | 36 | S | 0.05  |        | 0.995 | 13.85 | 7.60 |
| SoilWater | D | 4/30/2015 | SP | C | 2 | 36 | S | 0.05  | 66.94  | 0.498 | 36.28 | 7.04 |
| SoilWater | D | 4/30/2015 | SP | C | 3 | 12 | S | 0.05  | 9.62   | 0.802 | 3.51  | 7.27 |
| SoilWater | D | 4/30/2015 | SP | C | 3 | 36 | S | 0.05  | 32.47  | 0.630 | 15.29 | 6.73 |
| SoilWater | D | 4/30/2015 | SP | C | 4 | 12 | S | 0.05  | 17.60  | 3.042 | 7.15  | 7.35 |
| SoilWater | D | 4/30/2015 | SP | C | 4 | 24 | S | 0.05  | 16.95  | 3.619 | 2.27  | 7.13 |
| SoilWater | D | 4/30/2015 | SP | C | 4 | 36 | S | 0.05  | 16.33  | 0.925 | 8.67  | 6.67 |
| SoilWater | D | 4/30/2015 | SP | C | 5 | 12 | S | 0.05  | 9.79   | 1.141 | 6.77  | 7.44 |
| SoilWater | D | 4/30/2015 | SP | C | 5 | 24 | S | 0.05  | 11.68  | 0.407 | 7.36  | 6.01 |
| SoilWater | D | 4/30/2015 | SP | C | 5 | 36 | S | 15.81 | 8.03   | 0.839 | 6.10  | 6.27 |
| SoilWater | D | 4/30/2015 | SP | C | 6 | 12 | S | 2.30  | 11.51  | 9.330 | 7.27  | 7.05 |

## SURFACE WATER DATA

| Medium       | Site | Date      | Season | Loc  | NH3<br>(mg/L) | NO3<br>(mg/L) | TN<br>(mg/L) | P1<br>(mg/L) | pH   | FC<br>(#/100ml) |
|--------------|------|-----------|--------|------|---------------|---------------|--------------|--------------|------|-----------------|
| SurfaceWater | D    | 11/8/2013 | F      | UP   | 0.12          | 4.20          | 7.04         | 0.230        | 6.71 | 700             |
| SurfaceWater | D    | 11/8/2013 | F      | DOWN | 0.12          | 3.81          | 4.12         | 0.222        | 6.88 | 400             |
| SurfaceWater | D    | 1/9/2014  | W      | UP   | 0.73          | 4.63          | 4.15         | 0.175        | 6.57 | 72              |
| SurfaceWater | D    | 1/9/2014  | W      | DOWN | 0.64          | 4.80          | 4.62         | 0.195        | 6.71 | 44              |
| SurfaceWater | D    | 1/28/2014 | W      | UP   | 0.69          | 4.98          | 2.96         | 0.389        | 6.51 | 88              |
| SurfaceWater | D    | 1/28/2014 | W      | DOWN | 0.46          | 4.83          | 2.74         | 0.410        | 6.53 | 96              |
| SurfaceWater | D    | 1/30/2014 | W      | UP   | 0.17          | 4.20          | 2.39         | 0.205        | 6.62 | 300             |
| SurfaceWater | D    | 1/30/2014 | W      | DOWN | 0.05          | 4.16          | 2.58         | 0.229        | 6.66 | 360             |
| SurfaceWater | D    | 2/14/2014 | W      | UP   | 0.19          | 5.04          | 6.21         | 0.093        | 7.03 | 140             |
| SurfaceWater | D    | 2/14/2014 | W      | DOWN | 0.18          | 5.05          | 5.58         | 0.078        | 6.84 | 330             |
| SurfaceWater | D    | 3/12/2014 | W      | UP   | 1.02          | 6.70          | 6.57         | 0.004        | 6.71 | 4               |
| SurfaceWater | D    | 3/12/2014 | W      | DOWN | 0.99          | 6.78          | 6.50         | 0.001        | 6.77 | 4               |
| SurfaceWater | D    | 3/12/2014 | W      | TILE | 0.28          | 3.31          | 5.02         | 0.580        | 6.59 | 56              |
| SurfaceWater | D    | 4/3/2014  | SP     | UP   | 0.28          | 4.31          | 3.27         | 0.143        | 6.74 | 1000            |
| SurfaceWater | D    | 4/3/2014  | SP     | DOWN | 0.17          | 4.52          | 5.01         | 0.145        | 6.81 | 650             |
| SurfaceWater | D    | 4/7/2014  | SP     | UP   | 0.41          | 4.18          | 3.63         | 0.070        | 6.97 | 910             |
| SurfaceWater | D    | 4/7/2014  | SP     | DOWN | 0.39          | 4.19          | 3.18         | 0.062        | 6.99 | 310             |
| SurfaceWater | D    | 4/7/2014  | SP     | TILE | 13.28         | 3.45          | 3.20         | 0.832        | 6.78 |                 |
| SurfaceWater | D    | 4/14/2014 | SP     | UP   | 0.10          | 3.89          | 3.13         | 0.308        | 7.14 | 40              |
| SurfaceWater | D    | 4/14/2014 | SP     | DOWN | 0.05          | 3.88          | 3.43         | 0.321        | 7.33 | 84              |
| SurfaceWater | D    | 6/11/2014 | SP     | UP   | 0.05          | 2.86          | 2.82         | 0.197        | 6.86 | 84              |
| SurfaceWater | D    | 6/11/2014 | SP     | DOWN | 0.05          | 2.99          | 3.20         | 0.160        | 6.84 | 60              |
| SurfaceWater | D    | 6/19/2014 | SP     | UP   | 0.05          | 2.18          | 3.13         | 0.437        | 6.96 | 80              |
| SurfaceWater | D    | 6/19/2014 | SP     | DOWN | 0.05          | 2.44          | 2.56         | 0.429        | 7.08 | 72              |
| SurfaceWater | D    | 7/11/2014 | S      | UP   |               |               |              |              |      | 1300            |
| SurfaceWater | D    | 7/11/2014 | S      | DOWN |               |               |              |              |      | 640             |

|              |   |            |   |      |      |      |      |       |      |     |
|--------------|---|------------|---|------|------|------|------|-------|------|-----|
| SurfaceWater | D | 7/25/2014  | S | UP   | 0.25 | 1.87 | 3.17 | 0.204 | 6.75 | 568 |
| SurfaceWater | D | 7/25/2014  | S | DOWN | 0.05 | 3.04 | 3.34 | 0.154 | 6.93 | 272 |
| SurfaceWater | D | 8/13/2014  | S | UP   | 0.05 | 3.18 | 3.08 | 0.107 | 6.66 | 410 |
| SurfaceWater | D | 8/13/2014  | S | DOWN | 0.05 | 3.77 | 2.89 | 0.065 | 6.73 | 190 |
| SurfaceWater | D | 8/14/2014  | S | UP   | 0.05 | 1.92 | 2.79 | 0.035 | 6.75 | 27  |
| SurfaceWater | D | 8/14/2014  | S | DOWN | 0.05 | 1.89 | 3.35 | 0.011 | 7.09 | 32  |
| SurfaceWater | D | 8/15/2014  | S | UP   | 0.05 | 3.02 | 3.34 | 0.357 | 7.07 | 104 |
| SurfaceWater | D | 8/15/2014  | S | DOWN | 0.05 | 2.47 | 3.49 | 0.139 | 7.09 | 24  |
| SurfaceWater | D | 9/3/2014   | S | UP   | 0.05 | 2.37 | 2.47 | 0.077 | 6.73 | 500 |
| SurfaceWater | D | 9/3/2014   | S | DOWN | 0.05 | 2.02 | 2.30 | 0.075 | 6.78 | 150 |
| SurfaceWater | D | 9/18/2014  | S | UP   | 0.05 | 1.58 | 2.48 | 0.345 | 6.72 | 48  |
| SurfaceWater | D | 9/18/2014  | S | DOWN | 0.05 | 1.56 | 2.56 | 0.078 | 6.85 | 40  |
| SurfaceWater | D | 9/19/2014  | S | UP   | 0.09 | 2.05 | 2.18 | 0.337 | 6.92 | 120 |
| SurfaceWater | D | 9/19/2014  | S | DOWN | 0.05 | 1.85 | 2.45 | 0.033 | 6.92 | 88  |
| SurfaceWater | D | 9/30/2014  | S | UP   | 0.46 | 2.25 | 2.24 | 1.028 | 6.76 | 76  |
| SurfaceWater | D | 9/30/2014  | S | DOWN | 0.28 | 2.25 | 2.53 | 0.268 | 7.08 | 124 |
| SurfaceWater | D | 10/14/2014 | F | UP   | 0.17 | 3.99 | 3.24 | 0.146 | 6.17 | 540 |
| SurfaceWater | D | 10/14/2014 | F | DOWN | 0.05 | 4.50 | 4.56 | 0.154 | 6.72 | 690 |
| SurfaceWater | D | 10/16/2014 | F | UP   | 0.05 | 2.23 | 2.97 | 0.092 | 6.70 | 32  |
| SurfaceWater | D | 10/16/2014 | F | DOWN | 0.05 | 2.27 | 2.22 | 0.155 | 6.78 | 64  |
| SurfaceWater | D | 10/17/2014 | F | UP   | 0.12 | 1.76 | 1.66 | 0.283 | 6.88 | 64  |
| SurfaceWater | D | 10/17/2014 | F | DOWN | 0.05 | 1.65 | 1.42 | 0.198 | 6.91 | 64  |
| SurfaceWater | D | 10/20/2014 | F | UP   | 0.05 | 1.79 | 2.22 | 0.164 | 6.81 | 410 |
| SurfaceWater | D | 10/20/2014 | F | DOWN | 0.05 | 1.60 | 2.65 | 0.167 | 6.85 | 440 |
| SurfaceWater | D | 10/27/2014 | F | UP   | 0.05 | 3.65 | 4.07 | 4.914 | 6.51 | 72  |
| SurfaceWater | D | 10/27/2014 | F | DOWN | 0.05 | 3.48 | 4.93 | 0.091 | 6.46 | 64  |
| SurfaceWater | D | 10/30/2014 | F | UP   | 0.05 | 2.78 | 5.77 | 0.094 | 6.38 | 68  |
| SurfaceWater | D | 10/30/2014 | F | DOWN | 0.05 | 2.72 | 3.57 | 0.088 | 6.45 | 104 |
| SurfaceWater | D | 11/3/2014  | F | UP   | 0.05 | 3.15 | 4.42 | 0.114 | 6.45 | 184 |
| SurfaceWater | D | 11/3/2014  | F | DOWN | 0.05 | 3.27 | 5.51 | 4.048 | 6.29 | 112 |

|              |   |            |   |       |      |      |       |       |      |      |
|--------------|---|------------|---|-------|------|------|-------|-------|------|------|
| SurfaceWater | D | 11/7/2014  | F | UP    | 0.05 | 3.61 | 8.04  | 0.166 | 6.82 | 20   |
| SurfaceWater | D | 11/7/2014  | F | DOWN  | 0.05 | 3.67 | 8.61  | 0.164 | 7.28 | 20   |
| SurfaceWater | D | 11/10/2014 | F | UP    | 0.07 | 4.14 | 7.11  | 0.157 | 6.46 | 92   |
| SurfaceWater | D | 11/10/2014 | F | DOWN  | 0.05 | 4.21 | 7.86  | 4.609 | 6.41 | 96   |
| SurfaceWater | D | 11/14/2014 | F | UP    | 0.05 | 3.83 | 6.37  | 0.236 | 6.63 | 20   |
| SurfaceWater | D | 11/14/2014 | F | DOWN  | 0.05 | 3.89 | 7.56  | 0.398 | 6.61 | 24   |
| SurfaceWater | D | 11/20/2014 | F | UP    | 0.15 | 3.39 | 5.98  | 0.089 | 6.68 | 40   |
| SurfaceWater | D | 11/20/2014 | F | DOWN  | 0.10 | 3.39 | 5.08  | 0.141 | 6.71 | 36   |
| SurfaceWater | D | 11/21/2014 | F | UP    | 0.32 | 3.28 | 4.73  | 0.443 | 6.80 | 60   |
| SurfaceWater | D | 11/21/2014 | F | DOWN  | 0.17 | 3.24 | 3.86  | 0.435 | 7.05 | 32   |
| SurfaceWater | D | 11/24/2014 | F | UP    | 0.81 | 3.39 | 4.25  | 3.725 | 6.47 | 16   |
| SurfaceWater | D | 11/24/2014 | F | DOWN  | 0.45 | 3.36 | 3.69  | 0.170 | 6.52 | 24   |
| SurfaceWater | D | 11/25/2014 | F | UP    | 0.19 | 5.25 | 6.14  | 0.562 | 6.73 | 300  |
| SurfaceWater | D | 11/25/2014 | F | DOWN  | 0.19 | 4.95 | 6.47  | 0.530 | 6.65 | 220  |
| SurfaceWater | D | 11/26/2014 | F | UP    | 0.30 | 5.08 | 7.41  | 0.769 | 6.48 | 1000 |
| SurfaceWater | D | 11/26/2014 | F | DOWN  | 0.29 | 2.91 | 4.29  | 0.792 | 6.39 | 1200 |
| SurfaceWater | D | 11/26/2014 | F | TILE2 | 0.05 | 9.65 | 12.12 | 0.358 | 6.08 | 1400 |
| SurfaceWater | D | 12/1/2014  | F | UP    | 0.05 | 4.96 | 5.74  | 0.332 | 7.03 | 116  |
| SurfaceWater | D | 12/1/2014  | F | DOWN  | 0.05 | 5.09 | 6.98  | 0.256 | 6.98 | 80   |
| SurfaceWater | D | 12/9/2014  | F | UP    | 0.51 | 5.12 | 7.03  | 0.331 | 6.88 | 80   |
| SurfaceWater | D | 12/9/2014  | F | DOWN  | 0.31 | 5.25 | 6.55  | 0.327 | 6.71 | 72   |
| SurfaceWater | D | 12/11/2014 | F | UP    | 0.58 | 4.32 | 6.25  | 0.641 | 7.47 | 150  |
| SurfaceWater | D | 12/11/2014 | F | DOWN  | 0.25 | 4.34 | 6.73  | 0.743 | 6.98 | 180  |
| SurfaceWater | D | 12/11/2014 | F | TILE2 | 0.05 | 2.84 | 4.74  | 0.425 | 6.94 | 210  |
| SurfaceWater | D | 12/19/2014 | F | UP    | 0.32 | 4.24 | 7.14  | 0.583 | 6.52 | 190  |
| SurfaceWater | D | 12/19/2014 | F | DOWN  | 0.09 | 4.61 | 6.92  | 2.438 | 6.42 | 190  |
| SurfaceWater | D | 12/24/2014 | F | UP    | 0.36 | 4.50 | 4.66  | 0.535 | 6.67 | 20   |
| SurfaceWater | D | 12/24/2014 | F | DOWN  | 0.27 | 4.67 | 7.01  | 0.519 | 7.34 | 18   |
| SurfaceWater | D | 1/5/2015   | W | UP    | 0.31 | 2.05 | 2.83  | 0.759 | 5.97 | 610  |
| SurfaceWater | D | 1/5/2015   | W | DOWN  | 0.24 | 1.93 | 2.87  | 0.860 | 5.93 | 500  |

|              |   |           |   |       |      |       |  |       |      |      |
|--------------|---|-----------|---|-------|------|-------|--|-------|------|------|
| SurfaceWater | D | 2/3/2015  | W | UP    | 0.80 | 10.40 |  | 0.461 | 6.50 | 80   |
| SurfaceWater | D | 2/3/2015  | W | DOWN  | 0.81 | 9.45  |  | 0.173 | 6.50 | 92   |
| SurfaceWater | D | 2/5/2015  | W | UP    | 0.82 | 10.10 |  | 0.421 | 6.50 | 210  |
| SurfaceWater | D | 2/5/2015  | W | DOWN  | 0.87 | 10.18 |  | 0.422 | 6.50 | 244  |
| SurfaceWater | D | 2/5/2015  | W | TILE2 |      |       |  | 0.270 |      | 240  |
| SurfaceWater | D | 2/26/2015 | W | UP    | 0.55 | 8.39  |  | 0.173 | 6.50 | 64   |
| SurfaceWater | D | 2/26/2015 | W | DOWN  | 0.59 | 7.76  |  | 0.182 | 6.50 | 120  |
| SurfaceWater | D | 3/10/2015 | W | UP    | 0.50 | 6.27  |  | 0.028 | 6.50 | 120  |
| SurfaceWater | D | 3/10/2015 | W | DOWN  | 0.49 | 6.70  |  | 0.040 | 6.50 | 570  |
| SurfaceWater | D | 3/13/2015 | W | UP    | 0.49 | 12.87 |  | 0.036 | 6.50 | 216  |
| SurfaceWater | D | 3/13/2015 | W | DOWN  | 0.51 | 12.64 |  | 0.040 | 6.50 | 200  |
| SurfaceWater | D | 3/16/2015 | W | UP    | 0.82 | 15.45 |  | 0.345 | 6.50 | 6700 |
| SurfaceWater | D | 3/16/2015 | W | DOWN  | 0.95 | 14.77 |  | 0.334 | 6.50 | 8900 |
| SurfaceWater | D | 3/16/2015 | W | TILE2 |      |       |  | 0.260 |      | 560  |
| SurfaceWater | D | 3/20/2015 | W | UP    | 1.08 | 15.01 |  |       | 6.50 | 620  |
| SurfaceWater | D | 3/20/2015 | W | DOWN  | 0.86 | 15.54 |  |       | 6.50 | 760  |